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LOGINID:SSPTAMEN1774

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 JAN 02 STN pricing information for 2008 now available
NEWS 3 JAN 16 CAS patent coverage enhanced to include exemplified
prophetic substances
NEWS 4 JAN 28 USPATFULL, USPAT2, and USPATOLD enhanced with new
custom IPC display formats
NEWS 5 JAN 28 MARPAT searching enhanced
NEWS 6 JAN 28 USGENE now provides USPTO sequence data within 3 days
of publication
NEWS 7 JAN 28 TOXCENTER enhanced with reloaded MEDLINE segment
NEWS 8 JAN 28 MEDLINE and LMEDLINE reloaded with enhancements
NEWS 9 FEB 08 STN Express, Version 8.3, now available
NEWS 10 FEB 20 PCI now available as a replacement to DPCI
NEWS 11 FEB 25 IFIREF reloaded with enhancements
NEWS 12 FEB 25 IMSPRODUCT reloaded with enhancements
NEWS 13 FEB 29 WPINDEX/WPIDS/WPIX enhanced with ECLA and current
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NEWS 14 MAR 31 IFICDB, IFIPAT, and IFIUDB enhanced with new custom
IPC display formats
NEWS 15 MAR 31 CAS REGISTRY enhanced with additional experimental
spectra
NEWS 16 MAR 31 CA/CAPLUS and CASREACT patent number format for U.S.
applications updated
NEWS 17 MAR 31 LPCI now available as a replacement to LDPCI
NEWS 18 MAR 31 EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 19 APR 04 STN AnaVist, Version 1, to be discontinued

NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 13:21:30 ON 09 APR 2008

=>

Uploading

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Do you want to switch to the Registry File?

Choice (Y/n):

Switching to the Registry File...

Some commands only work in certain files. For example, the EXPAND
command can only be used to look at the index in a file which has an
index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of
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=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 13:21:45 ON 09 APR 2008
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STRUCTURE FILE UPDATES: 8 APR 2008 HIGHEST RN 1012980-81-2
DICTIONARY FILE UPDATES: 8 APR 2008 HIGHEST RN 1012980-81-2

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=>

Uploading C:\Program Files\STNEXP\Queries\10537315\10537315.str



ring nodes :
1 2 3 4 5 6 7 8 9
ring bonds :
1-2 1-5 2-3 2-8 3-4 3-6 4-5 6-7 7-9 8-9
exact/norm bonds :
1-2 1-5 2-3 2-8 3-4 3-6 4-5 6-7 7-9 8-9

G1: Cd, Co, Cr, Fe, Ga, Ge, In, Ir, Mn, Mo, Nb, Ni, Pb, Pd, Pt, Rh, Ru, Sb, Sc, Sn

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom

L1 STRUCTURE UPLOADED

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.46	0.67

FILE 'REGISTRY' ENTERED AT 13:21:57 ON 09 APR 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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STRUCTURE FILE UPDATES: 8 APR 2008 HIGHEST RN 1012980-81-2
DICTIONARY FILE UPDATES: 8 APR 2008 HIGHEST RN 1012980-81-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=> s l1 sss sam
SAMPLE SEARCH INITIATED 13:22:02 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 71 TO ITERATE

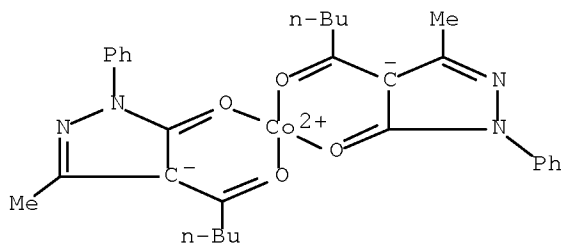
100.0% PROCESSED 71 ITERATIONS 43 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 915 TO 1925
PROJECTED ANSWERS: 467 TO 1253

L2 43 SEA SSS SAM L1

=> d scan l2

L2 43 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Cobalt, bis[2,4-dihydro-5-methyl-4-(1-oxopentyl)-2-phenyl-3H-pyrazol-3-
onato-O,O']-, dihydrate (9CI)
MF C30 H34 Co N4 O4 . 2 H2 O
CI CCS



● 2 H2O

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

=> s l2 sss full
FULL SEARCH INITIATED 13:22:34 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1439 TO ITERATE

100.0% PROCESSED 1439 ITERATIONS
SEARCH TIME: 00.00.01

910 ANSWERS

L3 910 SEA SSS FUL L1

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	178.36	179.03

FILE 'CAPLUS' ENTERED AT 13:22:38 ON 09 APR 2008
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FILE COVERS 1907 - 9 Apr 2008 VOL 148 ISS 15
FILE LAST UPDATED: 8 Apr 2008 (20080408/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l3

L4 228 L3

=> s l4 and py<=2002

22929778 PY<=2002

L5 181 L4 AND PY<=2002

=> s l5 and electrolumin?

80337 ELECTROLUMIN?

L6 0 L5 AND ELECTROLUMIN?

=> s l5 and lumin?

325242 LUMIN?

L7 0 L5 AND LUMIN?

=> s l5 and fluorescent

182592 FLUORESCENT

48 FLUORESCENTS

182607 FLUORESCENT

(FLUORESCENT OR FLUORESCENTS)

L8 0 L5 AND FLUORESCENT

=> s l3 and dev/rl

228 L3

790747 DEV/RL

L9 8 L3 AND DEV/RL

=> d scan l9

L9 8 ANSWERS CAPLUS COPYRIGHT 2008 ACS on STN

CC 73-11 (Optical, Electron, and Mass Spectroscopy and Other Related Properties)

Section cross-reference(s): 76

TI Electroluminescent device fabrication by spin coating electroluminescent organometallic complexes on coated substrates

ST electroluminescent device fabrication organometallic complex spin coating precoated substrate

IT Electroluminescent devices

Semiconductor device fabrication

(electroluminescent device fabrication by spin coating

electroluminescent organometallic complexes on coated substrates)

IT Poly(arylenealkenylenes)
Poly(arylenealkylenes)
Polyanilines
Polysilanes
Rare earth alloys
Rare earth metals, uses
Transition metal alloys
Transition metals, uses
RL: DEV (Device component use); PEP (Physical, engineering or chemical process); PYP (Physical process); PROC (Process); USES (Uses)
(electroluminescent device fabrication by spin coating
electroluminescent organometallic complexes on coated substrates)

IT Conducting polymers
(polythiophenes; electroluminescent device fabrication by spin coating
electroluminescent organometallic complexes on coated substrates)

IT Coating process
(spin; electroluminescent device fabrication by spin coating
electroluminescent organometallic complexes on coated substrates)

IT Aluminum alloy, nonbase
Barium alloy, nonbase
Calcium alloy, nonbase
Lithium alloy, nonbase
RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(electroluminescent device fabrication by spin coating
electroluminescent organometallic complexes on coated substrates)

IT 86-73-7D, 9H-Fluorene, derivs. 159-66-0D, 9,9'-Spirobi[9H-fluorene],
derivs. 193-44-2 905-62-4 1217-45-4, 9,10-Dicyanoanthracene
2085-33-8, Tris(8-hydroxyquinolinato)aluminum 4733-39-5, Bathocuproin
5521-31-3D, derivs. 7429-90-5, Aluminum, uses 7439-93-2, Lithium, uses
7439-95-4, Magnesium, uses 7440-03-1D, Niobium, compds. 7440-04-2D,
Osmium, compds. 7440-05-3D, Palladium, compds. 7440-06-4D, Platinum,
compds. 7440-16-6D, Rhodium, compds. 7440-18-8D, Ruthenium, compds.
7440-25-7D, Tantalum, compds. 7440-32-6D, Titanium, compds. 7440-39-3,
Barium, uses 7440-58-6D, Hafnium, compds. 7440-62-2D, Vanadium,
compds. 7440-70-2, Calcium, uses 7789-24-4, Lithium fluoride, uses
15082-28-7 17595-05-0 19414-67-6 23467-27-8 25067-59-8,
Poly(vinylcarbazole) 25135-15-3D, derivs. 25233-30-1, Polyaniline
25387-93-3 26009-24-5, Poly(p-phenylenevinylene)- 31366-25-3D, derivs.
37271-44-6 58280-31-2 58328-31-7, CBP 58328-31-7D, derivs.
65181-78-4, N,N'-Diphenyl-N,N'-bis(3-methylphenyl)-1,1'-biphenyl-4,4'-
diamine 66946-48-3D, derivs. 95270-88-5D, derivs. 98038-22-3,
Aniline-m-sulfanilic acid copolymer 121220-44-8, o-Ethylaniline-o-
toluidine copolymer 123847-85-8 124729-98-2 126415-16-5,
Aniline-o-anisidine copolymer 126415-18-7, o-Aminophenol-aniline
copolymer 126415-20-1, o-Aminophenol-o-toluidine copolymer
126415-22-3, o-Phenylenediamine-o-toluidine copolymer 135804-06-7
138372-67-5 142289-08-5D, derivs. 146162-54-1 148044-16-0
148896-39-3 150405-69-9 157755-87-8 203642-12-0D, derivs.
214341-85-2D, derivs. 221455-80-7 300576-41-4 432042-07-4
432042-08-5 474974-61-3 474974-62-4 647833-95-7
861532-86-7D, [9,9'-Bianthracene]-10,10'-diamine, N-aryl derivs.
863714-50-5 902119-35-1
RL: DEV (Device component use); PEP (Physical, engineering or chemical process); PYP (Physical process); PROC (Process); USES (Uses)
(electroluminescent device fabrication by spin coating
electroluminescent organometallic complexes on coated substrates)

IT 50851-57-5
RL: DEV (Device component use); MOA (Modifier or additive use);
PEP (Physical, engineering or chemical process); PYP (Physical process);
PROC (Process); USES (Uses)
(polyethylene dioxythiophene doped with; electroluminescent device
fabrication by spin coating electroluminescent organometallic complexes
on coated substrates)

IT 126213-51-2, Poly(3,4-ethylenedioxythiophene) 163359-60-2
RL: DEV (Device component use); PEP (Physical, engineering or chemical process); PYP (Physical process); PROC (Process); USES (Uses)
(polystyrene sulfonate-doped; electroluminescent device fabrication by
spin coating electroluminescent organometallic complexes on coated
substrates)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

=> d 19 1-8 ibib hitstr

L9 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:734542 CAPLUS Full-text

DOCUMENT NUMBER: 145:198513

TITLE: Electroluminescent device fabrication by spin coating
electroluminescent organometallic complexes on coated
substrates

INVENTOR(S): Kathirgamanathan, Poopathy; Ganeshamurugan,
Subramaniam; Price, Richard

PATENT ASSIGNEE(S): Oled-T Limited, UK

SOURCE: PCT Int. Appl., 51 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006077402	A1	20060727	WO 2006-GB169	20060119
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
EP 1839464	A1	20071003	EP 2006-702771	20060119
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR			
CN 101107884	A	20080116	CN 2006-80002852	20060119
IN 2007DN05397	A	20070817	IN 2007-DN5397	20070712
KR 2007102556	A	20071018	KR 2007-718852	20070817
PRIORITY APPLN. INFO.:			GB 2005-1426	A 20050122
			WO 2006-GB169	W 20060119

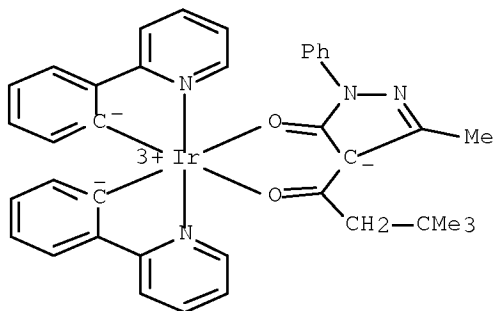
OTHER SOURCE(S): MARPAT 145:198513

IT 647838-95-7 863714-50-5

RL: DEV (Device component use); PEP (Physical, engineering or chemical process); PYP (Physical process); PROC (Process); USES (Uses)
(electroluminescent device fabrication by spin coating
electroluminescent organometallic complexes on coated substrates)

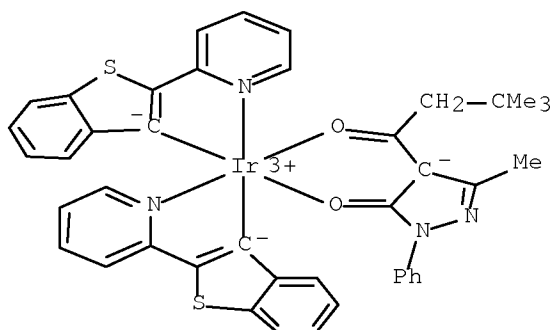
RN 647838-95-7 CAPLUS

CN Iridium, [4-[3,3-dimethyl-1-(oxo-κO)butyl]-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]bis[2-(2-pyridinyl)phenyl-κC]- (CA INDEX NAME)



RN 863714-50-5 CAPLUS

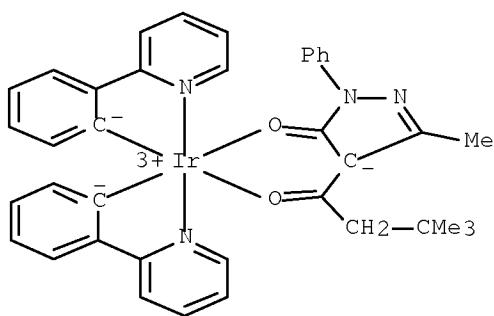
CN Iridium, [4-[3,3-dimethyl-1-(oxo-κO)butyl]-2-phenyl-2,4-dihydro-5-methyl-3H-pyrazol-3-onato-κO3]bis[2-(2-pyridinyl-κN)benzo[b]thien-3-yl-κC]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2006:439982 CAPLUS [Full-text](#)
 DOCUMENT NUMBER: 144:458233
 TITLE: Electroluminescent devices with anode buffer layers
 INVENTOR(S): Kathirgamanathan, Poopathy; Ganeshamurugan, Subramaniam; Kumaraver1, Muttulingham; Partheepan, Arumugam; Paramaswara, Gnanamoly
 PATENT ASSIGNEE(S): Nuko 70 Limited, UK
 SOURCE: PCT Int. Appl., 89 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006048635	A1	20060511	WO 2005-GB4222	20051101
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
EP 1812530	A1	20070801	EP 2005-800128	20051101
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
PRIORITY APPLN. INFO.:			GB 2004-24294	A 20041103
			WO 2005-GB4222	W 20051101
IT 647838-95-7				
RL: DEV (Device component use); USES (Uses) (electroluminescent devices with anode buffer layers)				
RN 647838-95-7 CAPLUS				
CN Iridium, [4-[3,3-dimethyl-1-(oxo-κO)butyl]-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]bis[2-(2-pyridinyl-κN)phenyl-κC]- (CA INDEX NAME)				

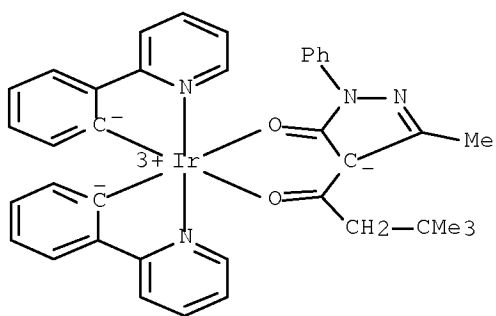


REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2005:962358 CAPLUS Full-text
 DOCUMENT NUMBER: 143:275247
 TITLE: Electroluminescent organometallic materials and their preparation and devices using them
 INVENTOR(S): Kathirgamanathan, Poopathy; Price, Richard; Ganeshamurugan, Subramaniam; Paramaswara, Gnanamoly; Kumaraverl, Muttulingham; Partheepan, Arumugam; Selvaranjan, Selvadurai; Antipan-Lara, Juan; Surendrakumar, Sivagnanasundram
 PATENT ASSIGNEE(S): Elam-T Limited, UK
 SOURCE: PCT Int. Appl., 66 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

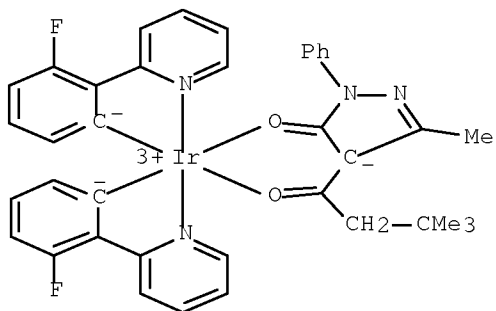
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005080526	A2	20050901	WO 2005-GB446	20050210
WO 2005080526	A3	20051103		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG EP 1723213 A2 20061122 EP 2005-708271 20050210 R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR JP 2007524680 T 20070830 JP 2006-552679 20050210 KR 2007004719 A 20070109 KR 2006-718827 20060914 PRIORITY APPLN. INFO.: GB 2004-3322 A 20040214 WO 2005-GB446 W 20050210				

OTHER SOURCE(S): MARPAT 143:275247
 IT 647838-95-7P 863714-47-0P 863714-48-1P
 863714-49-2P 863714-50-5P
 RL: DEV (Device component use); IMF (Industrial manufacture);
 PREP (Preparation); USES (Uses)
 (electroluminescent organometallic materials and their preparation and devices using them)
 RN 647838-95-7 CAPLUS
 CN Iridium, [4-[3,3-dimethyl-1-(oxo-κO)butyl]-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]bis[2-(2-pyridinyl-κN)phenyl-κC]- (CA INDEX NAME)



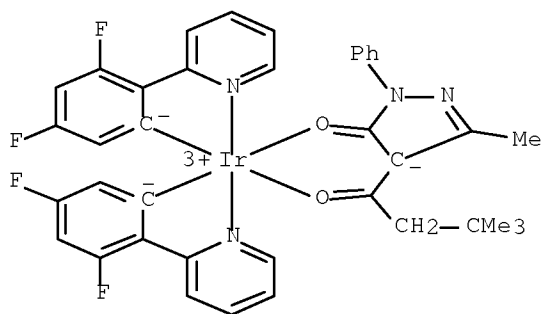
RN 863714-47-0 CAPLUS

CN Iridium, [4-[3,3-dimethyl-1-(oxo-κO)butyl]-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]bis[3-fluoro-2-(2-pyridinyl-κN)phenyl-κC]- (CA INDEX NAME)



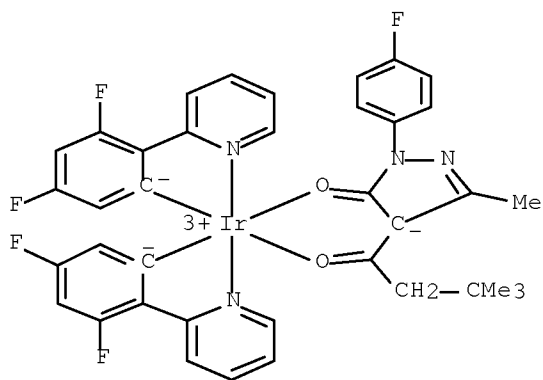
RN 863714-48-1 CAPLUS

CN Iridium, bis[3,5-difluoro-2-(2-pyridinyl-κN)phenyl-κC][4-[3,3-dimethyl-1-(oxo-κO)butyl]-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]- (CA INDEX NAME)

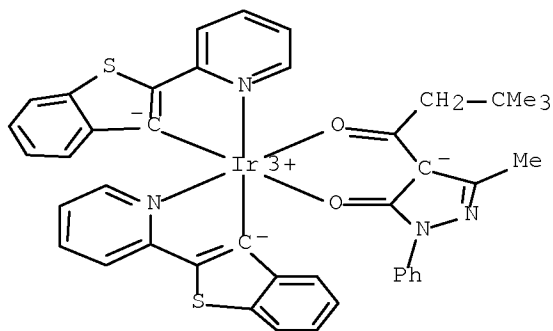


RN 863714-49-2 CAPLUS

CN Iridium, bis[3,5-difluoro-2-(2-pyridinyl-κN)phenyl-κC][4-[3,3-dimethyl-1-(oxo-κO)butyl]-2-(4-fluorophenyl)-2,4-dihydro-5-methyl-3H-pyrazol-3-onato-κO3]- (CA INDEX NAME)



RN 863714-50-5 CAPLUS
 CN Iridium, [4-[3,3-dimethyl-1-(oxo-κO)butyl]-2-phenyl-2,4-dihydro-5-methyl-3H-pyrazol-3-onato-κO3]bis[2-(2-pyridinyl-κN)benzo[b]thien-3-yl-κC]- (9CI) (CA INDEX NAME)

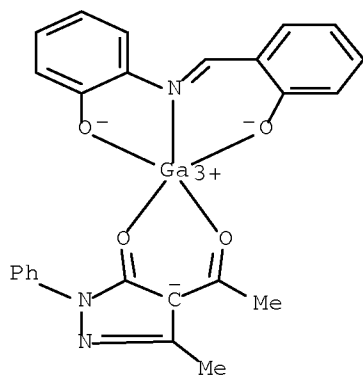


L9 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2005:391447 CAPLUS Full-text
 DOCUMENT NUMBER: 143:295279
 TITLE: Organic electroluminescent device and its manufacture
 INVENTOR(S): Qiu, Yong; Qiao, Juan; Duan, Lian; Wang, Liduo
 PATENT ASSIGNEE(S): Tsinghua University, Peop. Rep. China
 SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 24 pp.
 CODEN: CNXXEV
 DOCUMENT TYPE: Patent
 LANGUAGE: Chinese
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1436028	A	20030813	CN 2002-145923	20021023
US 20040001970	A1	20040101	US 2003-352493	20030128
US 7232616	B2	20070619		
JP 2004162002	A	20040610	JP 2003-168569	20030613
JP 3689815	B2	20050831		
PRIORITY APPLN. INFO.:			CN 2002-121289	A 20020613
			CN 2002-145923	A 20021023

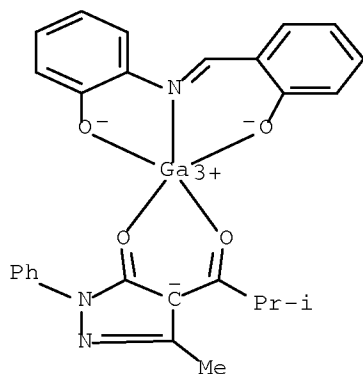
OTHER SOURCE(S): MARPAT 143:295279
 IT 864363-66-6P 864363-67-7P 864363-68-8P
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (organic electroluminescent device and its manufacture)
 RN 864363-66-6 CAPLUS
 CN Gallium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-

onato-κO3] [2-[[[2-(hydroxy-κO)phenyl]imino-
κN]methyl]phenolato(2-)-κO]- (9CI) (CA INDEX NAME)



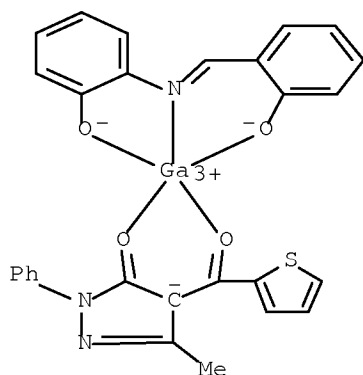
RN 864363-67-7 CAPLUS

CN Gallium, [2,4-dihydro-5-methyl-4-[2-methyl-1-(oxo-κO)propyl]-2-phenyl-3H-pyrazol-3-onato-κO3] [2-[[[2-(hydroxy-κO)phenyl]imino-κN]methyl]phenolato(2-)-κO]- (9CI) (CA INDEX NAME)



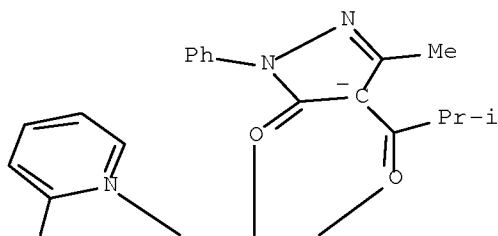
RN 864363-68-8 CAPLUS

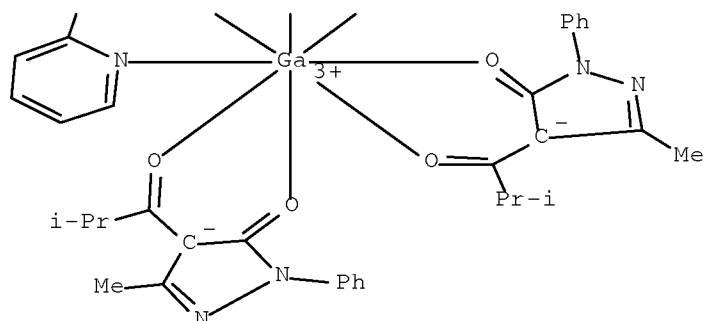
CN Gallium, [2,4-dihydro-5-methyl-2-phenyl-4-(2-thienylcarbonyl-κO)-3H-pyrazol-3-onato-κO3] [2-[[[2-(hydroxy-κO)phenyl]imino-κN]methyl]phenolato(2-)-κO]- (9CI) (CA INDEX NAME)



L9 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:1128122 CAPLUS Full-text
 DOCUMENT NUMBER: 143:395889
 TITLE: Electroluminescence from exciplex on the interface
 between TPD and La(PMIP)3(Bipy)
 AUTHOR(S): Gao, De-qing; Bian, Zu-qiang; Huang, Yan-yi; Huang,
 Chun-hui; Ibrahim, K.; Liu, Feng-qin
 CORPORATE SOURCE: State Key Laboratory of Rare Earth Materials Chemistry
 and Applications, Peking University, Beijing, 100871,
 Peop. Rep. China
 SOURCE: Chemical Research in Chinese Universities (2004),
 20(6), 790-794
 CODEN: CRCUED; ISSN: 1005-9040
 PUBLISHER: Higher Education Press
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 866940-70-7
 RL: DEV (Device component use); USES (Uses)
 (electroluminescence from exciplex on interface between TPD and
 La(PMIP)3(Bipy))
 RN 866940-70-7 CAPLUS
 CN Gadolinium, (2,2'-bipyridine-κN1,κN1')tris[2,4-dihydro-5-
 methyl-4-[2-methyl-1-(oxo-κO)propyl]-2-phenyl-3H-pyrazol-3-onato-
 κO3]- (9CI) (CA INDEX NAME)

PAGE 1-A





REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:493812 CAPLUS Full-text
 DOCUMENT NUMBER: 141:61840
 TITLE: Electroluminescent materials and devices based on metal complexes of 1-phenyl-3-methyl-4-trimethylacetylpyrazol-5-one
 INVENTOR(S): Kathirgamanathan, Poopathy; Surendrakumar, Sivagnanasundram; Gemmell, Patrick; Ganeshamurugan, Subramaniam; Kumaraverl, Muttulingham; Partheepan, Arumugam; Suresh, Sutheralingam; Selvaranjan, Selvadurai
 PATENT ASSIGNEE(S): Elam-T Limited, UK
 SOURCE: PCT Int. Appl., 59 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004050793	A1	20040617	WO 2003-GB5303	20031205
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2003285591	A1	20040623	AU 2003-285591	20031205
EP 1567612	A1	20050831	EP 2003-778590	20031205
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
JP 2006509008	T	20060316	JP 2004-556546	20031205
US 20060035110	A1	20060216	US 2005-537315	20050822
PRIORITY APPLN. INFO.:			GB 2002-28335	A 20021205
			WO 2003-GB5303	W 20031205

OTHER SOURCE(S): MARPAT 141:61840

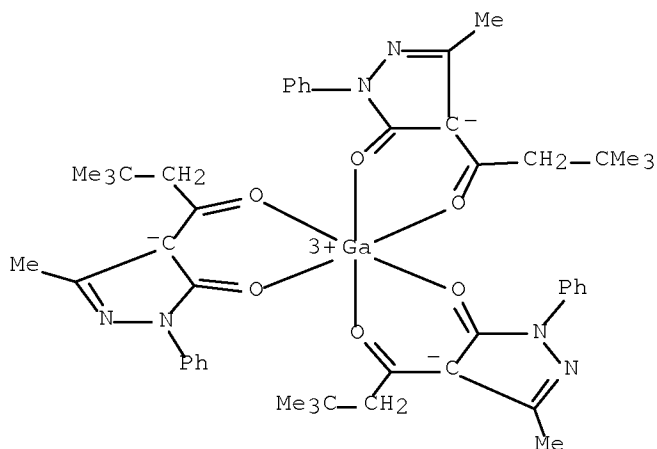
IT 709013-66-1P 709013-70-7P

RL: PEP (Physical, engineering or chemical process); PRP (Properties); PYP (Physical process); SPN (Synthetic preparation); PREP (Preparation); PROC (Process)

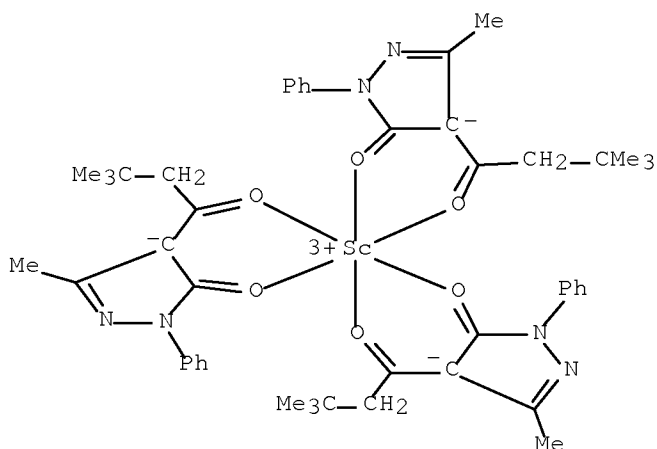
(electroluminescent materials and devices based on metal complexes of 1-Ph-3-Me-4-trimethylacetylpyrazol-5-one)

RN 709013-66-1 CAPLUS

CN Gallium, tris[4-[3,3-dimethyl-1-(oxo-κO)butyl]-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]- (CA INDEX NAME)



RN 709013-70-7 CAPLUS
 CN Scandium, tris[4-[3,3-dimethyl-1-(oxo-κO)butyl]-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]- (CA INDEX NAME)



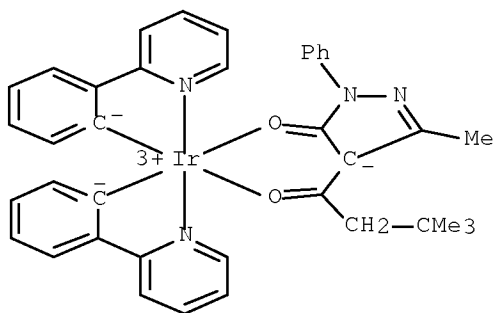
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:60874 CAPLUS [Full-text](#)
 DOCUMENT NUMBER: 140:114240
 TITLE: Metal chelates in a photovoltaic device
 INVENTOR(S): Kathirgamanathan, Poopathy; Antipan-Lara, Juan; Partheepan, Arumugam
 PATENT ASSIGNEE(S): Elam-Limited, UK
 SOURCE: PCT Int. Appl., 59 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

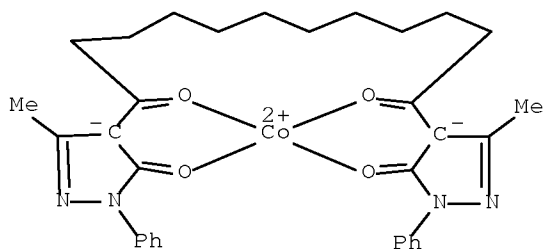
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004008554	A2	20040122	WO 2003-GB3035	20030714
WO 2004008554	A3	20041111		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
AU 2003281003 A1 20040202 AU 2003-281003 20030714
PRIORITY APPLN. INFO.: GB 2002-16154 A 20020712
WO 2003-GB3035 W 20030714

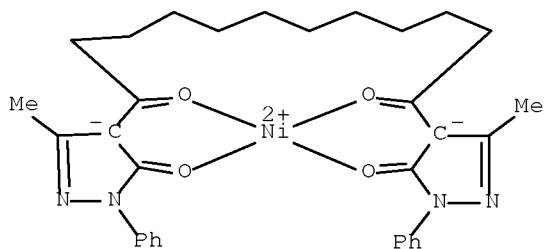
OTHER SOURCE(S): MARPAT 140:114240
IT 647838-95-7
RL: DEV (Device component use); USES (Uses)
(metal chelates in photovoltaic device)
RN 647838-95-7 CAPLUS
CN Iridium, [4-[3,3-dimethyl-1-(oxo-κO)butyl]-2,4-dihydro-5-methyl-2-
phenyl-3H-pyrazol-3-onato-κO3]bis[2-(2-pyridinyl-κN)phenyl-
κC]- (CA INDEX NAME)



L9 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1995:365213 CAPLUS Full-text
DOCUMENT NUMBER: 122:199430
TITLE: Electrochemical reduction of 1,10-bis(1-phenyl-3-
methyl-5-hydroxy-4-pyrazolyl)-1,10-decanedione.
Characterization of its electrogenerated mononuclear
CoII, NiII and CuII complexes. ESR properties of CoII
and CuII complexes
AUTHOR(S): Louati, Alain; Kuncaka, Agus; Gross, Maurice;
Haubtmann, Catherine; Bernard, Maxime; Andre,
Jean-Jacques; Brunette, Jean-Pierre
CORPORATE SOURCE: Laboratoire d'Electrochimie et de Chimie Physique du
Corps Solide, URA au CNRS no. 405, Universite Louis
Pasteur, 4 rue Blaise Pascal, Strasbourg, F-67000, Fr.
SOURCE: Journal of Organometallic Chemistry (1995), 486(1-2),
95-104
CODEN: JORCAI; ISSN: 0022-328X
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 161747-87-1P 161747-88-2F
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(electrochem. preparation and spectra of)
RN 161747-87-1 CAPLUS
CN Cobalt, [1,12-bis(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-
1,12-dodecanedionato(2-)-O,O',O'',O'''- (9CI) (CA INDEX NAME)



RN 161747-88-2 CAPLUS
 CN Nickel, [1,12-bis(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,12-dodecanedionato(2-)-O,O',O'',O''']-, (SP-4-2)- (9CI) (CA INDEX NAME)



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(FILE 'HOME' ENTERED AT 13:21:30 ON 09 APR 2008)

FILE 'REGISTRY' ENTERED AT 13:21:45 ON 09 APR 2008

L1 STRUCTURE UPLOADED

FILE 'REGISTRY' ENTERED AT 13:21:57 ON 09 APR 2008

L2 43 S L1 SSS SAM

L3 910 S L2 SSS FULL

FILE 'CAPLUS' ENTERED AT 13:22:38 ON 09 APR 2008

L4 228 S L3

L5 181 S L4 AND PY<=2002

L6 0 S L5 AND ELECTROLUMIN?

L7 0 S L5 AND LUMIN?

L8 0 S L5 AND FLUORESCENT

L9 8 S L3 AND DEV/RL

=> s l5 not l9

L10 180 L5 NOT L9

=> s l10 and gallium

326129 GALLIUM

19 GALLIUMS

326129 GALLIUM

(GALLIUM OR GALLIUMS)

L11 4 L10 AND GALLIUM

=> d l11 1-4 ibib hitstr

L11 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1995:658462 CAPLUS [Full-text](#)

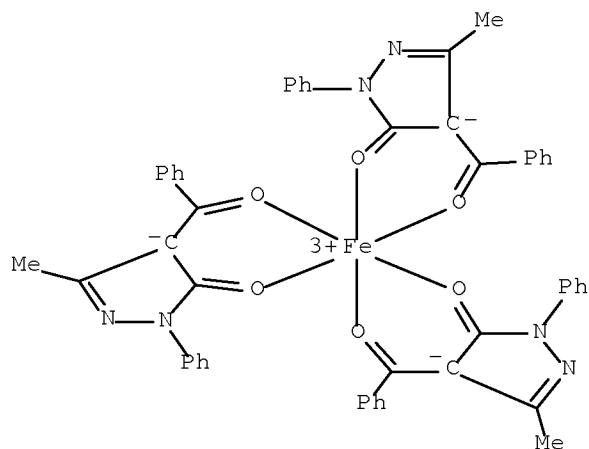
DOCUMENT NUMBER: 123:101329

TITLE: Thermal decompositions of complexes of Al, Ga, In, Cr, Fe and Bi ions with 1-phenyl-3-methyl-4-benzoyl-5-pyrazolone

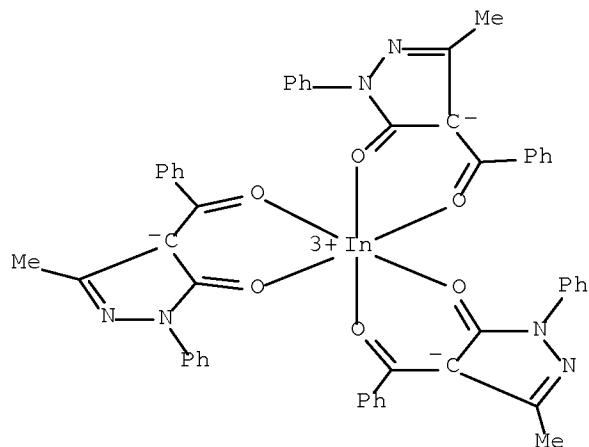
AUTHOR(S): Akama, Y.; Yajima, S.

CORPORATE SOURCE: Dep. Chem., Meisei Univ., Tokyo, 191, Japan
 SOURCE: Journal of Thermal Analysis (1995), 44(5),
 1107-12
 CODEN: JTREA9; ISSN: 0368-4466
 PUBLISHER: Akademiai Kiado
 DOCUMENT TYPE: Journal
 LANGUAGE: English

IT 23836-94-4P, Tris(1-phenyl-3-methyl-4-benzoyl-5-pyrazolonato)iron
 24324-44-5P, Tris(1-phenyl-3-methyl-4-benzoyl-5-
 pyrazolonato)indium 70612-65-6P, Tris(1-phenyl-3-methyl-4-
 benzoyl-5-pyrazolonato)gallium 78608-01-2P,
 Tris(1-phenyl-3-methyl-4-benzoyl-5-pyrazolonato)chromium
 RL: PEP (Physical, engineering or chemical process); SPN (Synthetic
 preparation); PREP (Preparation); PROC (Process)
 (preparation and thermal decomposition of)
 RN 23836-94-4 CAPLUS
 CN Iron, tris(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-
 O,O')- (9CI) (CA INDEX NAME)

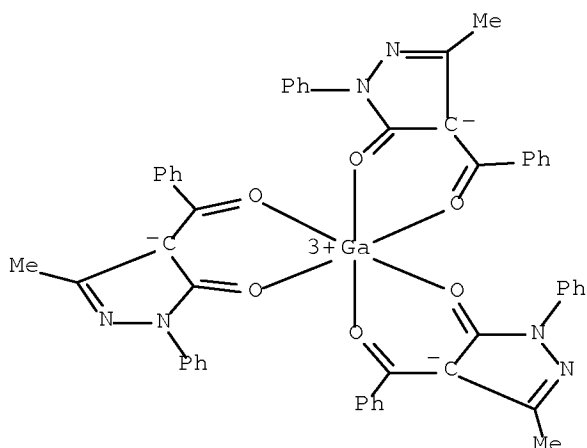


RN 24324-44-5 CAPLUS
 CN Indium, tris(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-
 O,O')- (9CI) (CA INDEX NAME)



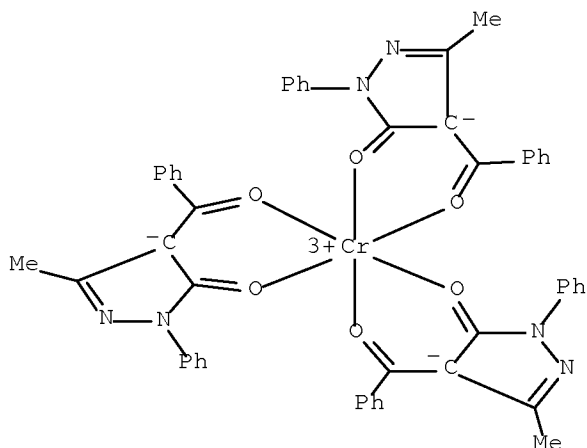
RN 70612-65-6 CAPLUS
 CN Gallium, tris(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-
 O,O')- (9CI) (CA INDEX NAME)

O,O')- (9CI) (CA INDEX NAME)



RN 78608-01-2 CAPLUS

CN Chromium, tris[4-(benzoyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]- (CA INDEX NAME)



L11 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1992:419436 CAPLUS Full-text

DOCUMENT NUMBER: 117:19436

TITLE: High performance liquid chromatographic determination of aluminum, gallium, and indium in the form of their PMBP chelates with acetonitrile containing sodium chloride as mobile phase

AUTHOR(S): Tong, Aijun; Akama, Yoshifumi

CORPORATE SOURCE: Fac. Sci. Eng., Meisei Univ., Hino, 191, Japan

SOURCE: Nippon Kaisui Gakkaishi (1992), 46(1), 37-41

CODEN: NKAGBU; ISSN: 0369-4550

DOCUMENT TYPE: Journal

LANGUAGE: English

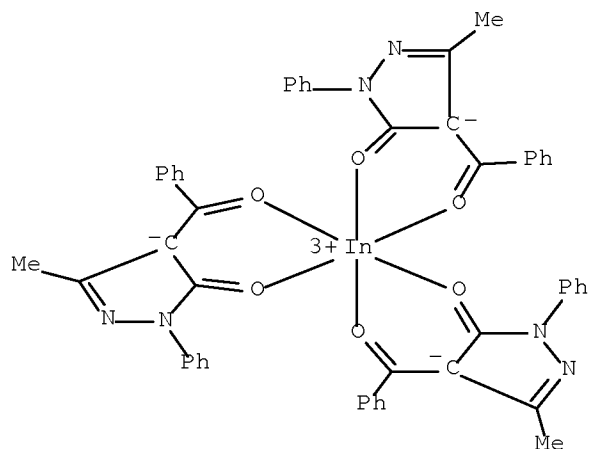
IT 24324-44-5F 70612-65-6F

RL: PREP (Preparation)

(preparation of, in reversed HPLC metal determination)

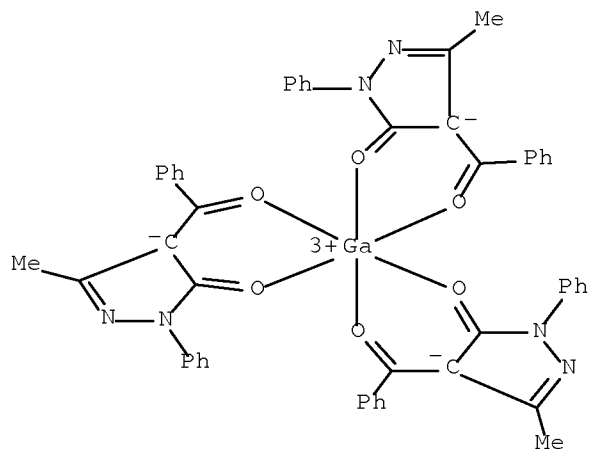
RN 24324-44-5 CAPLUS

CN Indium, tris(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')- (9CI) (CA INDEX NAME)



RN 70612-65-6 CAPLUS

CN Gallium, tris(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')- (9CI) (CA INDEX NAME)



L11 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1988:413919 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 109:13919

ORIGINAL REFERENCE NO.: 109:2310h,2311a

TITLE: Spectral studies of heterocyclic β -diketonates of

actinide, lanthanide, and transition metals

AUTHOR(S): Morales, P.; Nekimken, H.; Bartholdi, C. S.;

Cunningham, P. T.

CORPORATE SOURCE: Anal. Chem. Group, Los Alamos Natl. Lab., Los Alamos, NM, 87545, USA

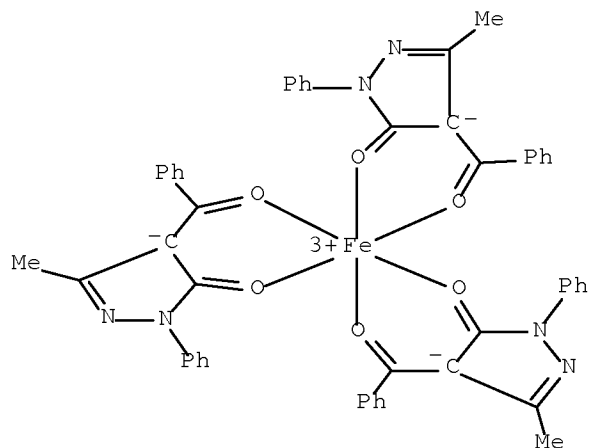
SOURCE: Spectrochimica Acta, Part A: Molecular and Biomolecular Spectroscopy (1988), 44A(2), 165-9

CODEN: SAMCAS; ISSN: 0584-8539

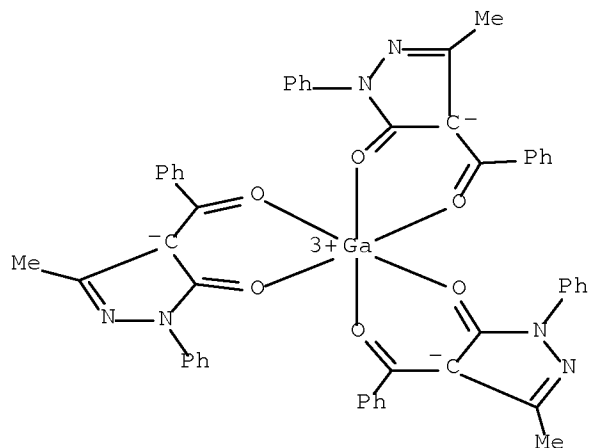
DOCUMENT TYPE: Journal

LANGUAGE: English

IT 23836-94-4 70612-65-6
 RL: PRP (Properties)
 (electronic absorption spectrum of)
 RN 23836-94-4 CAPLUS
 CN Iron, tris(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-
 O,O')- (9CI) (CA INDEX NAME)

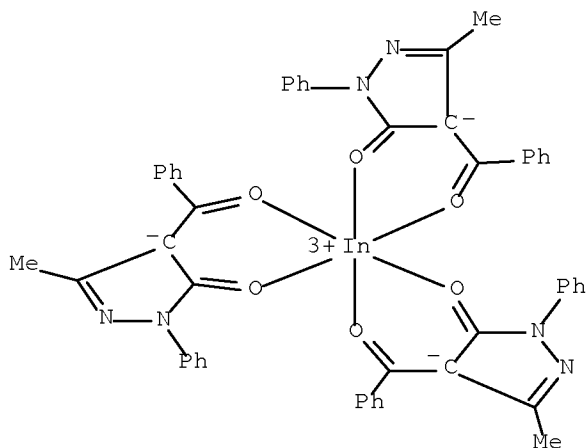


RN 70612-65-6 CAPLUS
 CN Gallium, tris(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-
 O,O')- (9CI) (CA INDEX NAME)

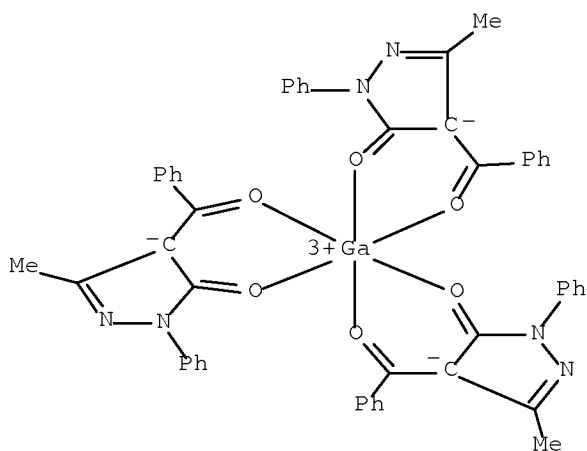


L11 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1979:432222 CAPLUS [Full-text](#)
 DOCUMENT NUMBER: 91:32222
 ORIGINAL REFERENCE NO.: 91:5143a,5146a
 TITLE: Studies on extraction of copper(2+), gallium
 (3+), indium(3+) and thallium(3+) with
 1-phenyl-3-methyl-4-benzoylpyrazol-5-one. Separation
 and spectrophotometric determination of copper and
 gallium
 AUTHOR(S): Mirza, M. Y.
 CORPORATE SOURCE: Dep. Chem., Univ. Nigeria, Nsukka, Nigeria
 SOURCE: Talanta (1978), 25(11-12), 685-9
 CODEN: TLNTA2; ISSN: 0039-9140

DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 24324-44-5P 70612-65-6P
 RL: PREP (Preparation)
 (preparation of)
 RN 24324-44-5 CAPLUS
 CN Indium, tris(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-
 O,O')- (9CI) (CA INDEX NAME)



RN 70612-65-6 CAPLUS
 CN Gallium, tris(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-
 O,O')- (9CI) (CA INDEX NAME)



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FILE 'REGISTRY' ENTERED AT 13:21:45 ON 09 APR 2008

L1 STRUCTURE UPLOADED

FILE 'REGISTRY' ENTERED AT 13:21:57 ON 09 APR 2008

L2 43 S L1 SSS SAM

L3 910 S L2 SSS FULL

FILE 'CAPLUS' ENTERED AT 13:22:38 ON 09 APR 2008

L4 228 S L3
L5 181 S L4 AND PY<=2002
L6 0 S L5 AND ELECTROLUMIN?
L7 0 S L5 AND LUMIN?
L8 0 S L5 AND FLUORESCENT
L9 8 S L3 AND DEV/RL
L10 180 S L5 NOT L9
L11 4 S L10 AND GALLIUM

=> s l10 and calcium
858652 CALCIUM
38 CALCIUMS
858656 CALCIUM
(CALCIUM OR CALCIUMS)
L12 7 L10 AND CALCIUM

=> d l12 1-7 ibib hitstr

L12 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:453057 CAPLUS Full-text
DOCUMENT NUMBER: 135:61243
TITLE: Synthesis, use and herbicidal activity of chroman and
thiochroman metal chelates
INVENTOR(S): Haley, Gregory J.; Dexter, Robin W.; Szucs, Stephen
S.; Rajamoorthi, Kannan
PATENT ASSIGNEE(S): BASF Corporation, USA; Basf Aktiengesellschaft;
Idemitsu Kosan Co., Ltd.
SOURCE: PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001044236	A1	20010621	WO 2000-EP11946	20001129 <--
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			

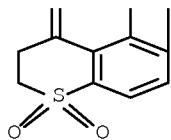
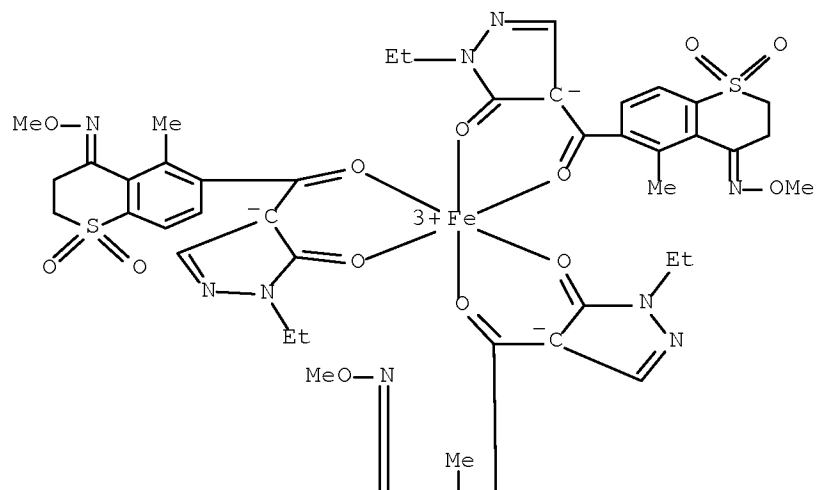
PRIORITY APPLN. INFO.: US 1999-453102 A 19991202

OTHER SOURCE(S): MARPAT 135:61243

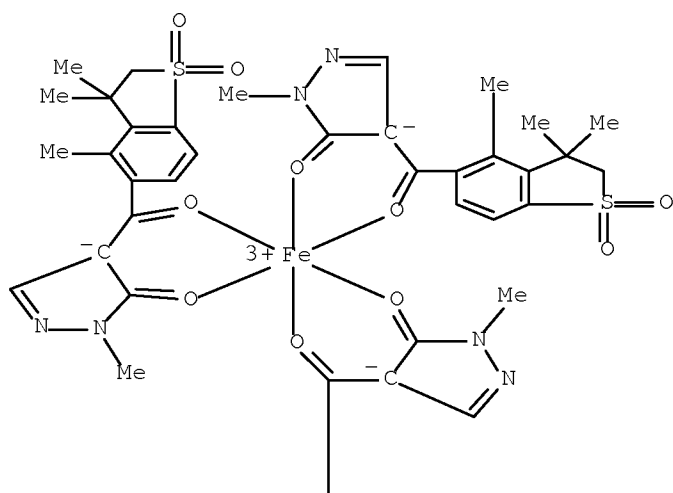
IT 345666-88-8P 345666-91-3P 345666-94-6P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (synthesis, use and herbicidal activity of chroman and thiochroman metal chelates)

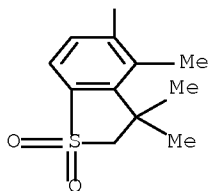
RN 345666-88-8 CAPLUS

CN Iron, tris[4-[[3,4-dihydro-4-(methoxyimino)-5-methyl-1,1-dioxido-2H-1-benzothioopyran-6-yl]carbonyl- κ O]-2-ethyl-2,4-dihydro-3H-pyrazol-3-onato- κ O3]- (CA INDEX NAME)

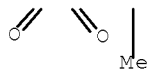
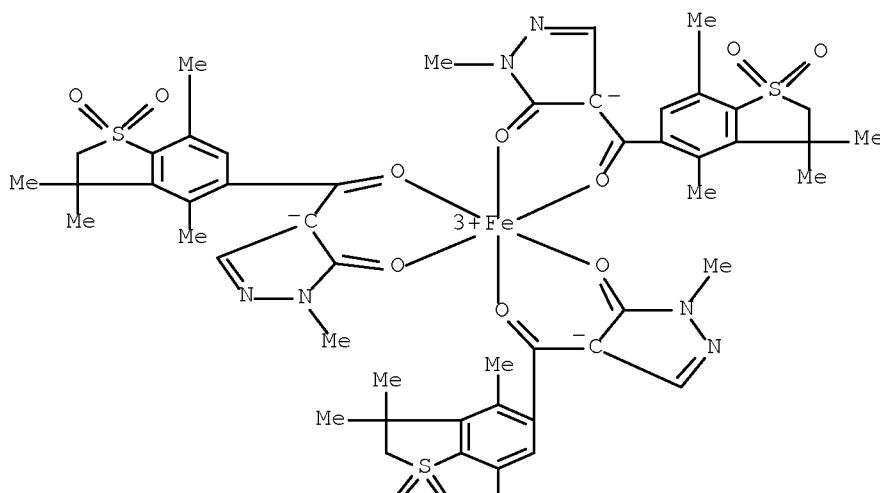


RN 345666-91-3 CAPLUS
 CN Iron, tris[4-[(2,3-dihydro-3,3,4-trimethyl-1,1-dioxido-5-yl)carbonyl-kO]-2,4-dihydro-2-methyl-3H-pyrazol-3-onato-kO3]-
 (CA INDEX NAME)





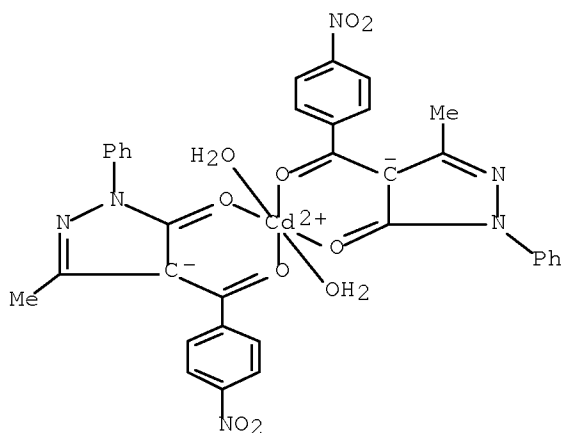
RN 345666-94-6 CAPLUS
 CN Iron, tris[4-[(2,3-dihydro-3,3,4,7-tetramethyl-1,1-dioxidobenzo[b]thien-5-yl)carbonyl-κO]-2,4-dihydro-2-methyl-3H-pyrazol-3-onato-κO3]-(CA INDEX NAME)



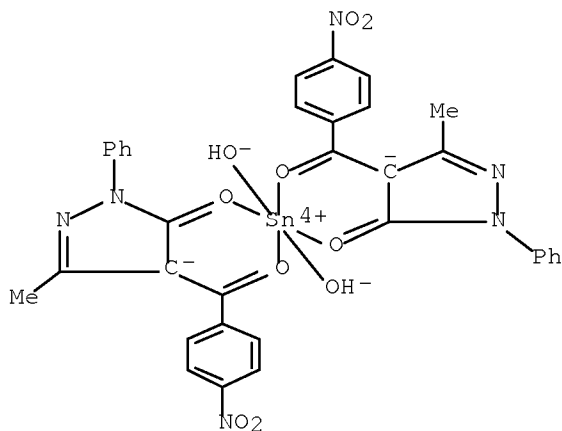
REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1998:539157 CAPLUS [Full-text](#)
 DOCUMENT NUMBER: 129:269419
 TITLE: Studies on the coordination complexes of calcium(II), cadmium(II) and tin(IV) with p-nitrobenzoyl-5-oxo-pyrazole
 AUTHOR(S): Ogwuegbu, Martin O. C.; Maseka, Kakoma K.
 CORPORATE SOURCE: Department of Chemistry, School of Technology, The Copperbelt University, Kitwe, Zambia
 SOURCE: Bulletin of the Chemical Society of Ethiopia (1998), 12(1), 27-33

CODEN: BCETE6; ISSN: 1011-3924
 PUBLISHER: Chemical Society of Ethiopia
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 213405-89-1P 213405-90-4P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 213405-89-1 CAPLUS
 CN Cadmium, diaquabis[2,4-dihydro-5-methyl-4-(4-nitrobenzoyl- κ O)-2-phenyl-3H-pyrazol-3-onato- κ O3]- (CA INDEX NAME)



RN 213405-90-4 CAPLUS
 CN Tin, bis[2,4-dihydro-5-methyl-4-(4-nitrobenzoyl- κ O)-2-phenyl-3H-pyrazol-3-onato- κ O3]dihydroxy- (CA INDEX NAME)



REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1998:146176 CAPLUS [Full-text](#)
 DOCUMENT NUMBER: 128:200068
 TITLE: Metal(II) complexes of 4-acylbis(pyrazolone-5): synthesis and spectroscopic studies
 AUTHOR(S): Uzoukwu, B. A.; Gloe, K.; Duddeck, H.
 CORPORATE SOURCE: Institut für Anorganische Chemie, Technische Universität Dresden, Dresden, Germany
 SOURCE: Synthesis and Reactivity in Inorganic and

Metal-Organic Chemistry (1988), 28(2),
207-221

CODEN: SRIMCN; ISSN: 0094-5714

PUBLISHER: Marcel Dekker, Inc.

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 128:200068

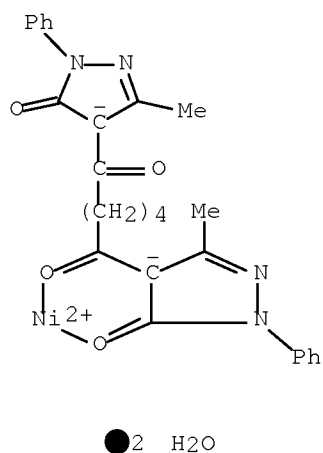
IT 203716-80-7F 203716-81-8F 203716-84-1F

203716-85-2P 203716-89-6P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and IR spectrum)

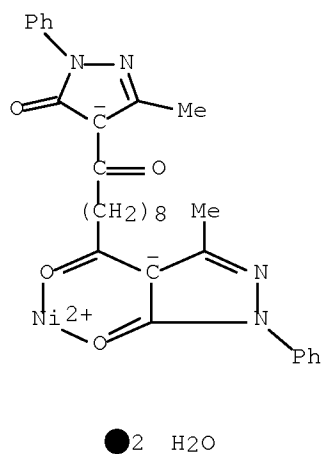
RN 203716-80-7 CAPLUS

CN Nickel, [1-[4,5-dihydro-3-methyl-5-(oxo- κ O)-1-phenyl-1H-pyrazol-4-yl]-6-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,6-hexanedionato(2-)- κ O1]-, dihydrate (9CI) (CA INDEX NAME)



RN 203716-81-8 CAPLUS

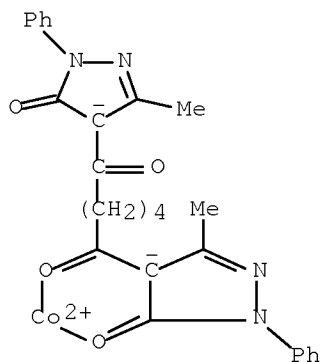
CN Nickel, [1-[4,5-dihydro-3-methyl-5-(oxo- κ O)-1-phenyl-1H-pyrazol-4-yl]-10-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,10-decanedionato(2-)- κ O1]-, dihydrate (9CI) (CA INDEX NAME)



RN 203716-84-1 CAPLUS

CN Cobalt, [1-[4,5-dihydro-3-methyl-5-(oxo- κ O)-1-phenyl-1H-pyrazol-4-yl]-6-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,6-

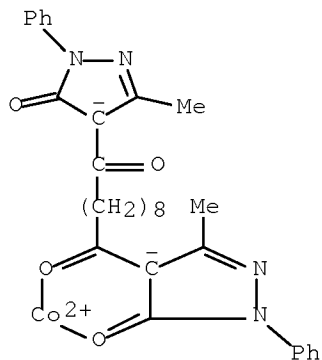
hexanedionato(2-)-κO1]-, dihydrate (9CI) (CA INDEX NAME)



●2 H₂O

RN 203716-85-2 CAPLUS

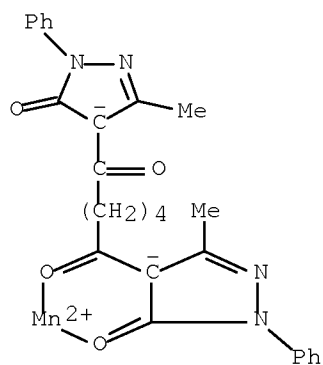
CN Cobalt, [1-[4,5-dihydro-3-methyl-5-(oxo-κO)-1-phenyl-1H-pyrazol-4-yl]-10-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,10-decanedionato(2-)-κO1]-, dihydrate (9CI) (CA INDEX NAME)



●2 H₂O

RN 203716-89-6 CAPLUS

CN Manganese, [1-[4,5-dihydro-3-methyl-5-(oxo-κO)-1-phenyl-1H-pyrazol-4-yl]-6-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,6-hexanedionato(2-)-κO1]-, hydrate (2:3) (9CI) (CA INDEX NAME)



● 3/2 H₂O

REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1993:419207 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 119:19207

TITLE: Syntheses and characterization of 4-iso-butyl and 4-iso-valeryl derivatives of 1-phenyl-3-methyl-5-pyrazolone and their uranium (VI), thorium(IV), lanthanum(III), iron(III), lead(II) and calcium(II) complexes

AUTHOR(S): Okafor, E. C.; Adikwu, P. U.; Uzoukwu, B. A.

CORPORATE SOURCE: Dep. Pure Ind. Chem., Univ. Nigeria, Nsukka, Nigeria

SOURCE: Synthesis and Reactivity in Inorganic and Metal-Organic Chemistry (1993), 23(1), 97-111

CODEN: SRIMCN; ISSN: 0094-5714

DOCUMENT TYPE: Journal

LANGUAGE: English

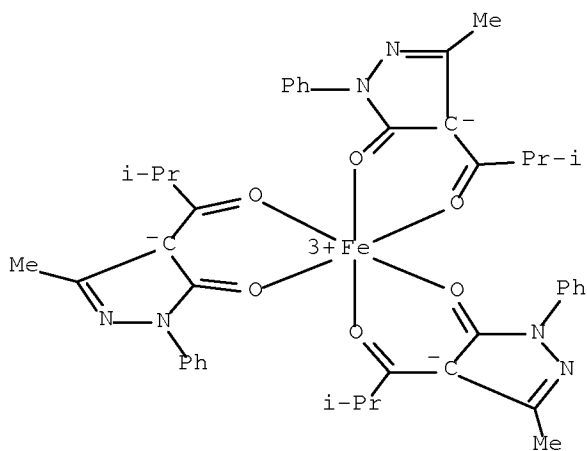
IT 147833-87-2P 147833-88-3P 147833-91-8P

147833-92-9P

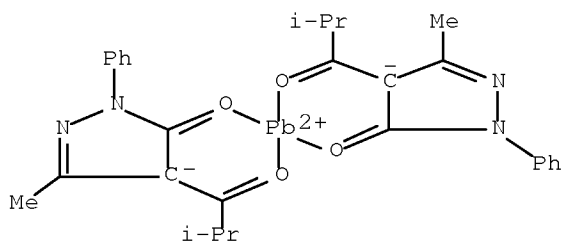
RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)

RN 147833-87-2 CAPLUS

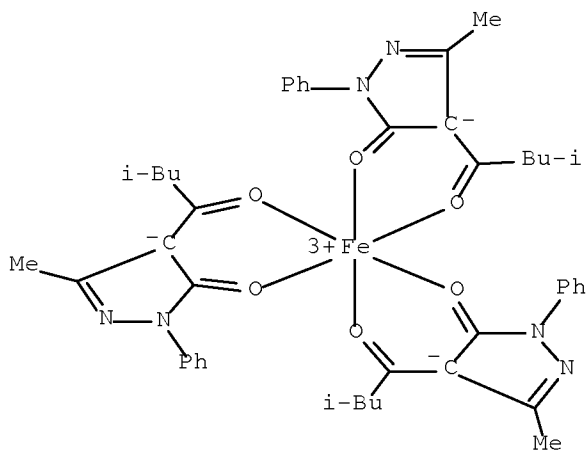
CN Iron, tris[2,4-dihydro-5-methyl-4-(2-methyl-1-oxopropyl)-2-phenyl-3H-pyrazol-3-onato-O,O']- (9CI) (CA INDEX NAME)



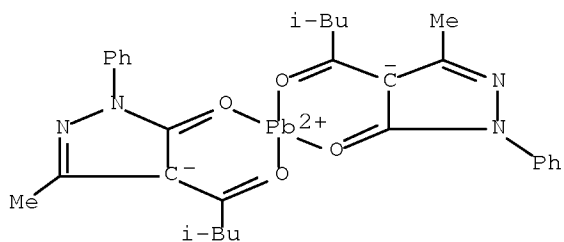
RN 147833-88-3 CAPLUS
 CN Lead, bis[2,4-dihydro-5-methyl-4-(2-methyl-1-oxopropyl)-2-phenyl-3H-pyrazol-3-onato-O,O']-, (T-4)- (9CI) (CA INDEX NAME)



RN 147833-91-8 CAPLUS
 CN Iron, tris[2,4-dihydro-5-methyl-4-(3-methyl-1-oxobutyl)-2-phenyl-3H-pyrazol-3-onato-O,O']-, (T-4)- (9CI) (CA INDEX NAME)



RN 147833-92-9 CAPLUS
 CN Lead, bis[2,4-dihydro-5-methyl-4-(3-methyl-1-oxobutyl)-2-phenyl-3H-pyrazol-3-onato-O,O']-, (T-4)- (9CI) (CA INDEX NAME)



L12 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1991:573378 CAPLUS [Full-text](#)
 DOCUMENT NUMBER: 115:173378
 TITLE: Introducing a new bis(β -diketone): syntheses,

UV-visible, IR, proton and carbon-13 NMR spectral studies of 4-sebacoylbis(1-phenyl-3-methyl-5-pyrazolone) (H2PMSP) and its uranium(VI), iron(III) and calcium(II) complexes

AUTHOR(S): Okafor, Emmanuel C.; Uzoukwu, Bieluonwu A.
 CORPORATE SOURCE: Dep. Pure Ind. Chem., Univ. Nigeria, Nsukka, Nigeria
 SOURCE: Synthesis and Reactivity in Inorganic and Metal-Organic Chemistry (1991), 21(5), 825-44
 CODEN: SRIMCN; ISSN: 0094-5714

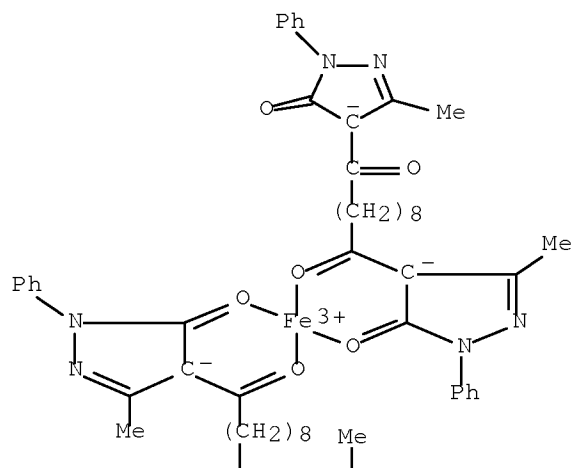
DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 115:173378

IT 136501-36-5P
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (preparation and electronic and IR spectra of)

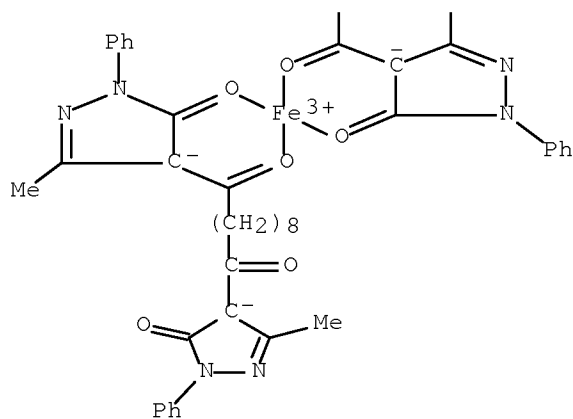
RN 136501-36-5 CAPLUS

CN Iron, [μ -[1,10-bis(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,10-decanedionato(2-)-O1,O1':O10,O10']]bis[1,10-bis(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,10-decanedionato(2-)-O1,O1']di- (9CI)
 (CA INDEX NAME)

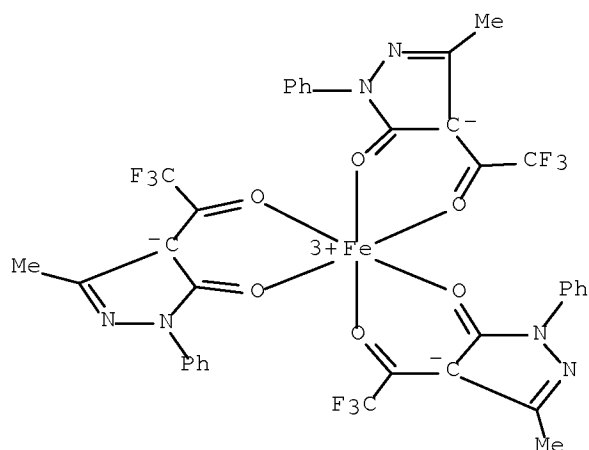
PAGE 1-A



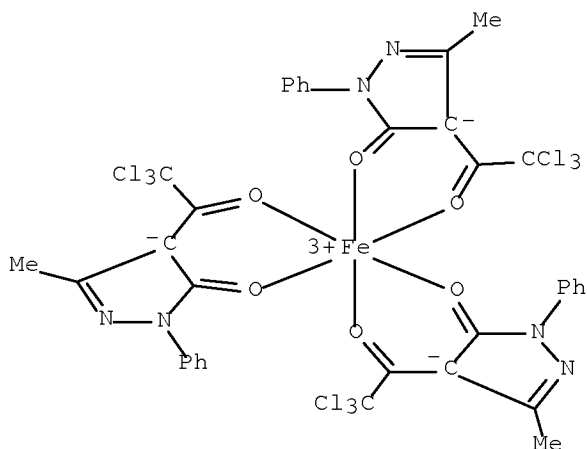
PAGE 2-A



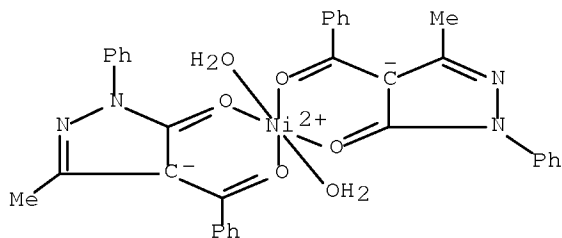
L12 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1991:440680 CAPLUS Full-text
 DOCUMENT NUMBER: 115:40680
 TITLE: Physicochemical studies of 4-trifluoroacetyl and
 4-trichloroacetyl derivatives of 3-methyl-1-
 phenylpyrazol-5-one and their uranium(VI), iron(III)
 and calcium(II) complexes
 AUTHOR(S): Uzoukwu, Bieluonwu Augustus
 CORPORATE SOURCE: Dep. Pure Ind. Chem., Univ. Port Harcourt, Port
 Harcourt, Nigeria
 SOURCE: Indian Journal of Chemistry, Section A: Inorganic,
 Bio-inorganic, Physical, Theoretical & Analytical
 Chemistry (1991), 30A(4), 372-4
 CODEN: ICACEC; ISSN: 0376-4710
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 77259-28-0P 134588-65-1P
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (preparation and IR spectrum of)
 RN 77259-28-0 CAPLUS
 CN Iron, tris[2,4-dihydro-5-methyl-2-phenyl-4-(trifluoroacetyl)-3H-pyrazol-3-
 onato-O,O']- (9CI) (CA INDEX NAME)



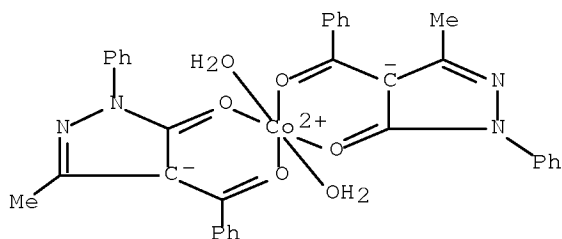
RN 134588-65-1 CAPLUS
 CN Iron, tris[2,4-dihydro-5-methyl-2-phenyl-4-(trichloroacetyl)-3H-pyrazol-3-
 onato-O,O']- (9CI) (CA INDEX NAME)



L12 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1987:130644 CAPLUS [Full-text](#)
 DOCUMENT NUMBER: 106:130644
 ORIGINAL REFERENCE NO.: 106:21149a,21152a
 TITLE: New azomethine and tetradentate Schiff base complexes of transition metals containing heterocyclic β -diketones as ligands
 AUTHOR(S): Patel, B. V.; Thaker, B. T.
 CORPORATE SOURCE: Dep. Chem., South Gujarat Univ., Surat, 395007, India
 SOURCE: Synthesis and Reactivity in Inorganic and Metal-Organic Chemistry (1988), 16(9), 1319-35
 CODEN: SRIMCN; ISSN: 0094-5714
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 31524-27-3P 78618-20-9P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and reaction of, with ammonia or diamines)
 RN 31524-27-3 CAPLUS
 CN Nickel, diaquabis(4-benzoyl-2,4-dihydro-5-methyl-1-phenyl-3H-pyrazol-3-onato-O,O')- (9CI) (CA INDEX NAME)



RN 78618-20-9 CAPLUS
 CN Cobalt, diaquabis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')- (9CI) (CA INDEX NAME)



=> d his

(FILE 'HOME' ENTERED AT 13:21:30 ON 09 APR 2008)

FILE 'REGISTRY' ENTERED AT 13:21:45 ON 09 APR 2008

L1 STRUCTURE UPLOADED

FILE 'REGISTRY' ENTERED AT 13:21:57 ON 09 APR 2008

L2 43 S L1 SSS SAM

L3 910 S L2 SSS FULL

FILE 'CAPLUS' ENTERED AT 13:22:38 ON 09 APR 2008

L4 228 S L3

L5 181 S L4 AND PY<=2002

L6 0 S L5 AND ELECTROLUMIN?

L7 0 S L5 AND LUMIN?

L8 0 S L5 AND FLUORESCENT

L9 8 S L3 AND DEV/RL

L10 180 S L5 NOT L9

L11 4 S L10 AND GALLIUM

L12 7 S L10 AND CALCIUM

=> s l10 not (L11 or l12)

L13 169 L10 NOT (L11 OR L12)

=> s l13 and luminescence

203098 LUMINESCENCE

473 LUMINESCENCES

203150 LUMINESCENCE

(LUMINESCENCE OR LUMINESCENCES)

L14 0 L13 AND LUMINESCENCE

=> s l13 and pyridine

223548 PYRIDINE

16093 PYRIDINES

228241 PYRIDINE

(PYRIDINE OR PYRIDINES)

L15 5 L13 AND PYRIDINE

=> d scan l15

L15 5 ANSWERS CAPLUS COPYRIGHT 2008 ACS on STN

CC 68-2 (Phase Equilibriums, Chemical Equilibriums, and Solutions)

TI Coordination abilities of some heterocyclic N-bases and N-oxides towards

bis(1-phenyl-3-methyl-4-benzoyl-5-pyrazolonato)cobalt(II)

ST bisphenylmethylbenzoylpyrazolonato cobalt complex; pyridine

bisphenylmethylbenzoylpyrazolonato cobalt complex; oxide pyridine

bisphenylmethylbenzoylpyrazolonato cobalt complex

IT 41162-66-7 41162-67-3 41162-68-9

41162-69-0 41162-70-3 41183-84-0

41183-85-1 41183-86-2 41183-87-3

41183-88-4 41183-89-5

RL: PRP (Properties)

(formation constant of)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L15 5 ANSWERS CAPLUS COPYRIGHT 2008 ACS on STN

CC 78-7 (Inorganic Chemicals and Reactions)
 Section cross-reference(s): 67

TI Thermal and spectral studies of some mixed ligand complexes of cobalt(II), nickel(II) and copper(II) involving aliphatic and heterocyclic β -diketone

ST thermolysis diketonato benzoylpyrazolinonato complex; kinetics thermolysis diketonato benzoylpyrazolinonato complex; transition metal diketonato benzoylpyrazolinonato; pyrazolinonato benzoyl transition metal diketonato; cobalt diketonato benzoylpyrazolinonato; copper diketonato benzoylpyrazolinonato; nickel diketonato benzoylpyrazolinonato

IT Ultraviolet and visible spectra
 (of transition metal β -diketonato complexes with and without pyridine)

IT Kinetics of thermal decomposition
 Thermal decomposition
 (of transition metal β -diketonato complexes with and without pyridine in air)

IT Transition metals, compounds
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (β -diketone complexes, preparation and thermal decomposition of)

IT 117051-24-8P 117051-25-9P 117051-27-1P
 117051-28-2P 117074-93-8P 117101-14-1P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and substitution reaction with pyridine and thermal decomposition of, in air)

IT 117051-26-0P 117067-21-7P 117074-94-9P 117074-95-0P
 117074-96-1P 117074-97-2P 117074-98-3P
 117074-99-4P 117075-00-0P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and thermal decomposition of, in air)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L15 5 ANSWERS CAPLUS COPYRIGHT 2008 ACS on STN

CC 28-8 (Heterocyclic Compounds (More Than One Hetero Atom))
 Section cross-reference(s): 54

TI Observations of 1-phenyl-3-methyl-4-trifluoroacetyl-5-pyrazolone. A promising extracting agent

ST fluoroacetylpyrazolone metal extractant; pyrazolone metal extractant

IT Metals, preparation
 RL: PREP (Preparation)
 (extraction of, trifluoroacetylpyrazolone as agent for)

IT Extraction
 (of metals, trifluoroacetylpyrazolone as agent for)

IT Melting point
 Solubility
 (of trifluoroacetylpyrazolone metal complexes)

IT Tautomerism and Tautomers
 (of trifluoroacetylpyrazolones)

IT 64598-44-3P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (metal extracting agent, preparation, tautomerism, and phys. properties of)

IT 77259-32-6
 RL: PRP (Properties)
 (phys. properties of)

IT 407-25-0
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, with methylphenylpyrazolone)

IT 89-25-8
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, with trifluoroacetic anhydride)

IT 77259-28-0 77259-29-1 77259-30-4
 77259-31-5 77273-41-7 81714-06-9 81714-07-0
 81714-08-1 81714-09-2 81714-14-9 81714-15-0
 81999-83-9 81999-84-0 81999-88-4
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (solubility and phys. properties of)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L15 5 ANSWERS CAPLUS COPYRIGHT 2008 ACS on STN

CC 68 (Phase Equilibria, Chemical Equilibria, and Solutions)
 TI Extraction-spectrophotometric study of mixed complexes of
 β -diketonates of nickel with amines
 ST nickel complex; thenoyltrifluoroacetone nickel complex; pyrazolone nickel
 complex
 IT Partition
 (of nickel, between aqueous solns. and diketones)
 IT 102-69-2D, Tripropylamine, nickel complexes 108-89-4D, 4-Picoline,
 nickel complexes 108-99-6D, 3-Picoline, nickel complexes 110-86-1D,
 Pyridine, nickel complexes 110-89-4D, Piperidine, nickel
 complexes 143-16-8D, Dihexylamine, nickel complexes 326-91-0D,
 1,3-Butanedione, 4,4,4-trifluoro-1-(2-thienyl)-, nickel complexes
 4551-69-3D, 2-Pyrazolin-5-one, 4-benzoyl-3-methyl-1-phenyl-, nickel
 complexes 14837-31-1 23653-53-4 23836-69-3 30383-81-4 31524-19-3
 31524-23-9 31524-24-0 31524-25-1
 31524-27-3 31606-84-5
 RL: PRP (Properties); FORM (Formation, nonpreparative)
 (formation consts. of, extraction in relation to)
 IT 326-91-0 4551-69-3
 RL: PRP (Properties)
 (partition of nickel between aqueous solution and, in presence of amines)
 IT 102-69-2 108-89-4 108-99-6 110-86-1, properties 110-89-4,
 properties 143-16-8
 RL: PRP (Properties)
 (partition of nickel between aqueous solution and, in presence of diketones)
 IT 7440-02-0, properties
 RL: PRP (Properties)
 (partition of, between aqueous solution and diketones in presence of amines)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L15 5 ANSWERS CAPLUS COPYRIGHT 2008 ACS on STN
 CC 78-7 (Inorganic Chemicals and Reactions)
 TI Synthesis and characterization of chromium(III) mixed ligand complexes
 containing β -diketone
 ST chromium diketonato; pyrazole phenylmethylbenzoyldihydro chromium;
 benzoylmethylphenyldihydropyrazole chromium; crystal field parameter
 chromium diketonato
 IT Infrared spectra
 (of chromium complexes with β -diketones)
 IT Ketones, compounds
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (1,3-di-, chromium complexes, preparation, crystal field parameters and IR
 spectra of)
 IT Energy level splitting
 (crystal-field, of chromium complexes with β -diketones or
 benzoylmethylphenyldihydropyrazole)
 IT 10170-68-0, Trichlorotris(tetrahydrofuran)chromium
 RL: PRP (Properties)
 (crystal field parameter of)
 IT 78608-01-2P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and crystal field parameter of)
 IT 15604-10-1P 109743-67-1P 109743-68-2P 109743-69-3P 109743-70-6P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation, crystal field parameter and IR spectrum of)
 IT 109750-81-4P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation, crystal field parameter and thermal decomposition of)
 IT 14284-76-5, Trichlorotris(pyridine)chromium
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, with β -diketone)

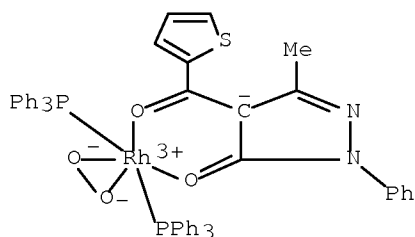
ALL ANSWERS HAVE BEEN SCANNED

=> end

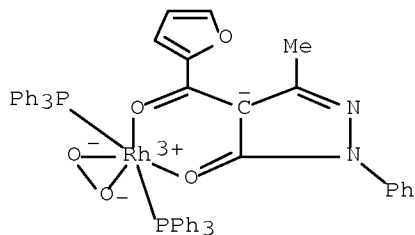
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
 LOGOFF? (Y)/N/HOLD:n

=> s 113 and ligand
 341002 LIGAND
 232209 LIGANDS
 464031 LIGAND

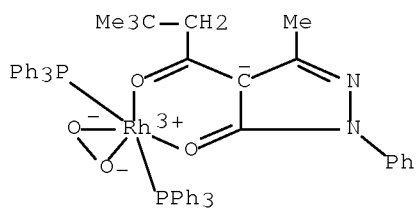
1-phenyl-3-methyl-4-(2-thienoyl)-pyrazol-5-one) and
 [Rh(1,5-COD)Br]₂
 AUTHOR(S): Pettinari, Claudio; Marchetti, Fabio; Cingolani,
 Augusto; Bianchini, Gianluca; Drozdov, Andrei;
 CORPORATE SOURCE: Dipartimento di Scienze Chimiche, Università degli
 Studi, Camerino MC, 62032, Italy
 SOURCE: Journal of Organometallic Chemistry (2002),
 651(1-2), 5-14
 CODEN: JORCAI; ISSN: 0022-328X
 PUBLISHER: Elsevier Science B.V.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 137:263145
 IT 463975-79-3P 463975-80-6P 463975-81-7P
 463975-82-8P 463975-84-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 463975-79-3 CAPLUS
 CN Rhodium, [2,4-dihydro-5-methyl-2-phenyl-4-(2-thienylcarbonyl-κO)-3H-
 pyrazol-3-onato-κO3]peroxybis(triphenylphosphine)- (9CI) (CA INDEX
 NAME)



RN 463975-80-6 CAPLUS
 CN Rhodium, [4-(2-furanylcarbonyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-
 pyrazol-3-onato-κO3]peroxybis(triphenylphosphine)- (9CI) (CA INDEX
 NAME)

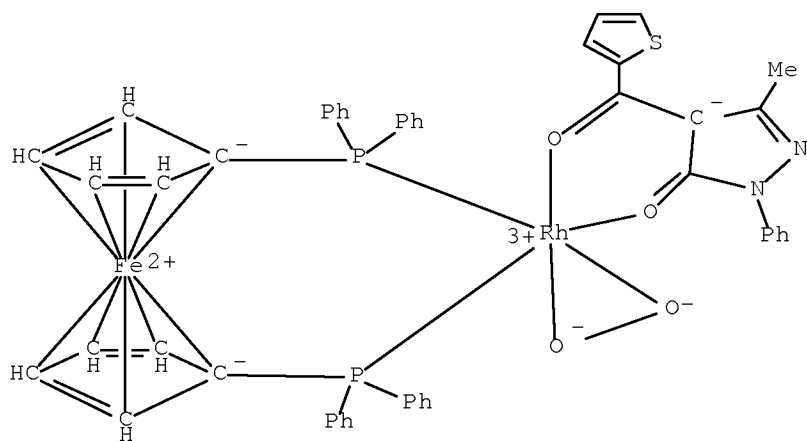


RN 463975-81-7 CAPLUS
 CN Rhodium, [4-[3,3-dimethyl-1-(oxo-κO)butyl]-2,4-dihydro-5-methyl-2-
 phenyl-3H-pyrazol-3-onato-κO3]peroxybis(triphenylphosphine)- (9CI)
 (CA INDEX NAME)



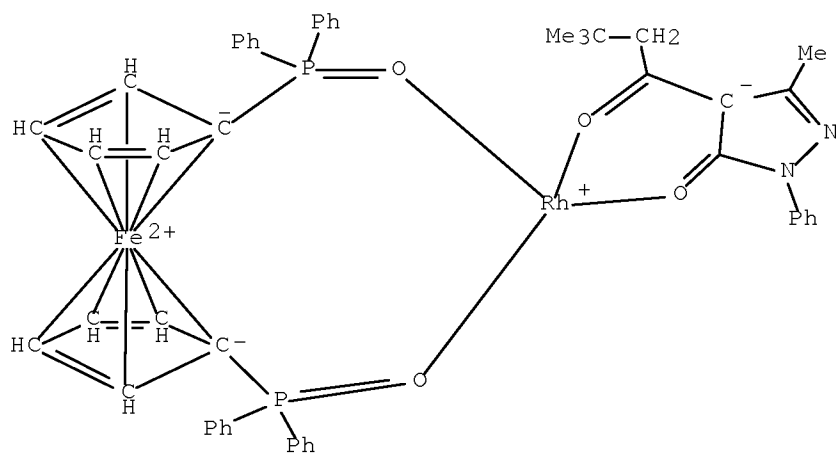
RN 463975-82-8 CAPLUS

CN Rhodium, [1,1'-bis(diphenylphosphino-κP)ferrocene] [2,4-dihydro-5-methyl-2-phenyl-4-(2-thienylcarbonyl-κO)-3H-pyrazol-3-onato-κO3]peroxy- (9CI) (CA INDEX NAME)



RN 463975-84-0 CAPLUS

CN Rhodium, [1,1'-bis(diphenylphosphinyl-κO)ferrocene] [4-[3,3-dimethyl-1-(oxo-κO)butyl]-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]-, (SP-4-3)- (9CI) (CA INDEX NAME)



IT 444772-14-3P 463975-73-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation, coordinative substitution reaction with nitrogen and
 phosphorus donor ligands, and oxidation in presence of phosphines)

RN 444772-14-9 CAPLUS
 CN Rhodium, [(1,2,5,6- η)-1,5-cyclooctadiene][4-(2-furanylcarbonyl-
 κ O)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato- κ O3]-
 (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
 RN 463975-73-7 CAPLUS
 CN Rhodium, [(1,2,5,6- η)-1,5-cyclooctadiene][4-[3,3-dimethyl-1-(oxo-
 κ O)butyl]-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-
 κ O3]- (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
 IT 444772-13-8P
 RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP
 (Preparation); RACT (Reactant or reagent)
 (preparation, coordinative substitution reaction with nitrogen and
 phosphorus donor ligands, oxidation in presence of phosphines, and crystal
 structure of)

RN 444772-13-8 CAPLUS
 CN Rhodium, [(1,2,5,6- η)-1,5-cyclooctadiene][2,4-dihydro-5-methyl-2-
 phenyl-4-(2-thienylcarbonyl- κ O)-3H-pyrazol-3-onato- κ O3]- (CA
 INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
 REFERENCE COUNT: 79 THERE ARE 79 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1998:567941 CAPLUS Full-text
 DOCUMENT NUMBER: 129:316354
 TITLE: (1-Phenyl-3-methyl-4-acetylpyrazolon-5-ato)rhodium(I)
 complexes, synthesis, structural and spectroscopical
 characterization: Reactivity of diolefin- and
 dicarbonyl-rhodium complexes toward N-, P- and
 O-donors

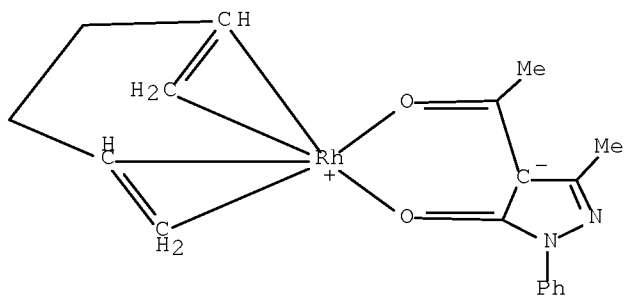
AUTHOR(S): Pettinari, C.; Accorroni, F.; Cingolani, A.;
 Marchetti, F.; Cassetta, A.; Barba, L.
 CORPORATE SOURCE: Dipartimento di Scienze Chimiche, Universita di
 Camerino, Camerino, I-62032, Italy
 SOURCE: Journal of Organometallic Chemistry (1998),
 566(1-2), 187-201
 CODEN: JORCAI; ISSN: 0022-328X
 PUBLISHER: Elsevier Science S.A.
 DOCUMENT TYPE: Journal
 LANGUAGE: English

IT 214747-44-1P
 RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP
 (Preparation); RACT (Reactant or reagent)
 (crystal structure; preparation, structural, and spectroscopical
 characterization of acetylpyrazolonato rhodium complex and reactivity
 of diolefin- and dicarbonyl-rhodium complexes toward nitrogen-,
 phosphorus- and oxygen-donors)

RN 214747-44-1 CAPLUS
 CN Rhodium, [4-(acetyl- κ O)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-
 onato- κ O3][(1,2,5,6- η)-1,5-cyclooctadiene]- (CA INDEX NAME)

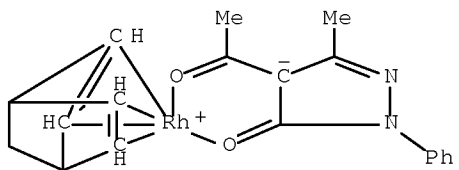
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
 IT 214747-45-2P 214747-46-3P 214747-50-9P
 214747-51-0P 214747-52-1P 214747-53-2P
 214747-56-5P 214747-57-6P 214747-58-7P
 214747-59-8P 214747-60-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

RN 214747-45-2 CAPLUS
 CN Rhodium, [4-(acetyl- κ O)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-
 onato- κ O3][(1,2,5,6- η)-1,5-hexadiene]- (CA INDEX NAME)



RN 214747-46-3 CAPLUS

CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3] [(2,3,5,6-η)-bicyclo[2.2.1]hepta-2,5-diene]- (CA INDEX NAME)



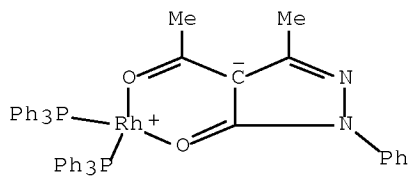
RN 214747-50-9 CAPLUS

CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3] [(1,2,5,6-η)-1,5-cyclooctadiene] [phenyl(2-pyridinyl-κN)methanone]- (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

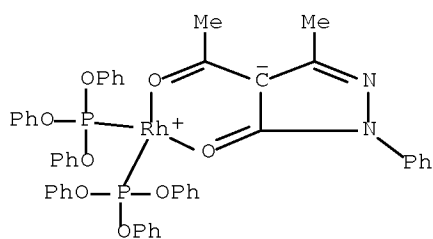
RN 214747-51-0 CAPLUS

CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]bis(triphenylphosphine)-, (SP-4-3)- (CA INDEX NAME)



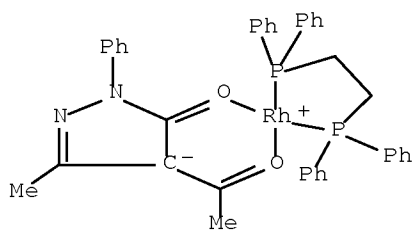
RN 214747-52-1 CAPLUS

CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]bis(triphenyl phosphite-κP)-, (SP-4-3)- (9CI) (CA INDEX NAME)



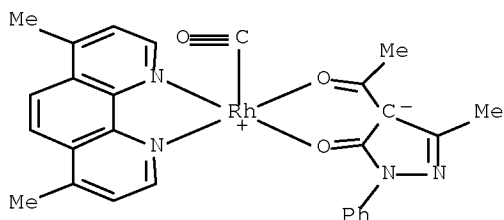
RN 214747-53-2 CAPLUS

CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3][1,2-ethanediylbis[diphenylphosphine-κP]]-, (SP-4-3)- (9CI) (CA INDEX NAME)



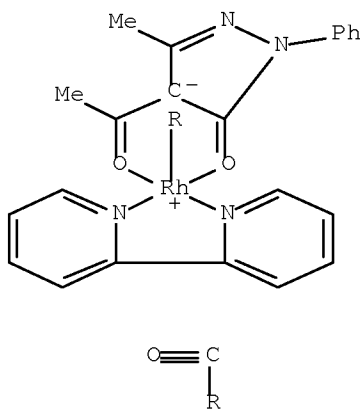
RN 214747-56-5 CAPLUS

CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]carbonyl(4,7-dimethyl-1,10-phenanthroline-κN1,κN10)-, (SP-5-43)- (CA INDEX NAME)



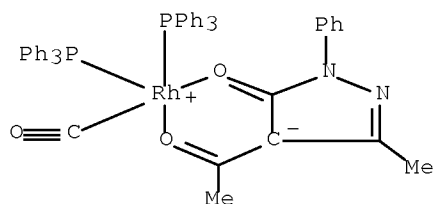
RN 214747-57-6 CAPLUS

CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3](2,2'-bipyridine-κN1,κN1')carbonyl-, (SP-5-43)- (CA INDEX NAME)



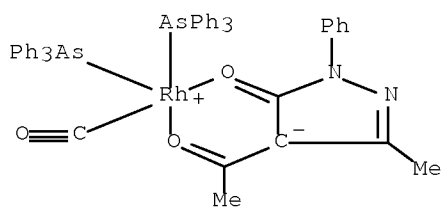
RN 214747-58-7 CAPLUS

CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]carbonylbis(triphenylphosphine)-, (SP-5-43)- (CA INDEX NAME)



RN 214747-59-8 CAPLUS

CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]carbonylbis(triphenylarsine)-, (SP-5-43)- (CA INDEX NAME)



RN 214747-60-1 CAPLUS

CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3][(1,2,5,6-η)-1,3,5,7-cyclooctatetraene]- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

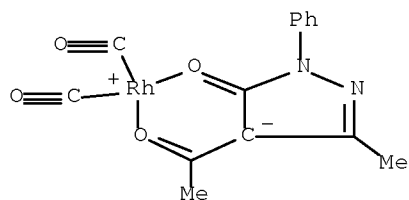
IT 214747-55-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation, structural, and spectroscopical characterization of acetylpyrazolonato rhodium complex and reactivity of diolefin- and dicarbonyl-rhodium complexes toward nitrogen-, phosphorus- and oxygen-donors)

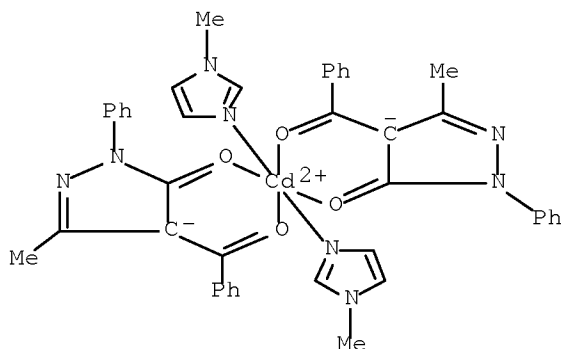
RN 214747-55-4 CAPLUS

CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]dicarbonyl-, (SP-4-3)- (CA INDEX NAME)

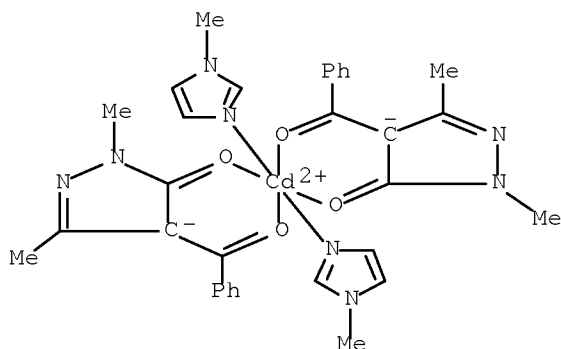


REFERENCE COUNT: 77 THERE ARE 77 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1998:378395 CAPLUS Full-text
 DOCUMENT NUMBER: 129:117038
 TITLE: Ligation properties of N-substituted imidazoles: synthesis, spectroscopic and structural investigation, and behavior in solution of zinc(II) and cadmium(II) complexes
 AUTHOR(S): Pettinari, C.; Marchetti, F.; Cingolani, A.; Troyanov, S. I.; Drozdov, A.
 CORPORATE SOURCE: Dipartimento di Scienze Chimiche, Universita degli Studi, Camerino, 62032, Italy
 SOURCE: Polyhedron (1998), 17(10), 1677-1691
 CODEN: PLYHDE; ISSN: 0277-5387
 PUBLISHER: Elsevier Science Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 209805-63-0P 209805-64-1P 209805-79-8P
 209805-80-1P 209805-81-2P
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (preparation and IR and NMR spectra)
 RN 209805-63-0 CAPLUS
 CN Cadmium, bis[4-(benzoyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]bis(1-methyl-1H-imidazole-κN3)-, (OC-6-12)- (CA INDEX NAME)

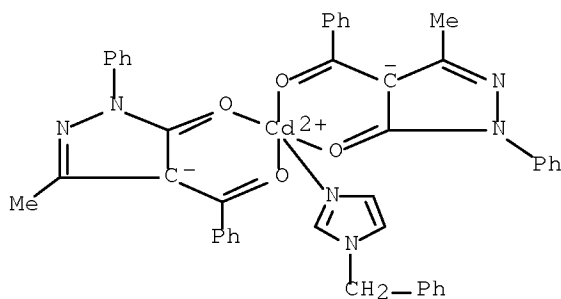


RN 209805-64-1 CAPLUS
 CN Cadmium, bis[4-(benzoyl-κO)-2,4-dihydro-2,5-dimethyl-3H-pyrazol-3-onato-κO3]bis(1-methyl-1H-imidazole-κN3)-, (OC-6-12)- (CA INDEX NAME)



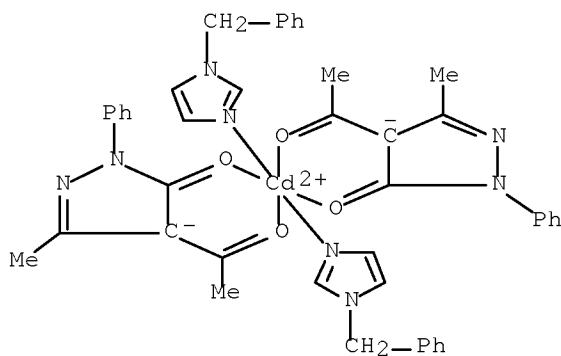
RN 209805-79-8 CAPLUS

CN Cadmium, bis[4-(benzoyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3][1-(phenylmethyl)-1H-imidazole-κN3]- (CA INDEX NAME)



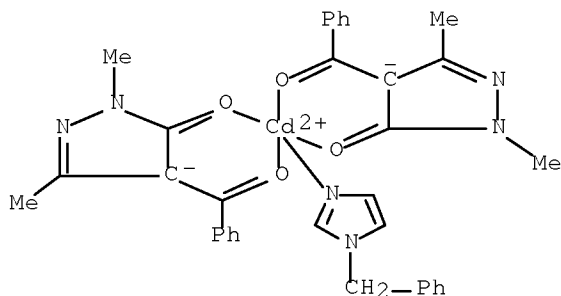
RN 209805-80-1 CAPLUS

CN Cadmium, bis[4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]bis[1-(phenylmethyl)-1H-imidazole-κN3]-, (OC-6-12)- (CA INDEX NAME)



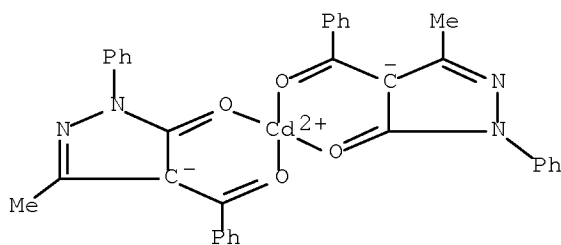
RN 209805-81-2 CAPLUS

CN Cadmium, bis[4-(benzoyl-κO)-2,4-dihydro-2,5-dimethyl-3H-pyrazol-3-onato-κO3][1-(phenylmethyl)-1H-imidazole-κN3]- (CA INDEX NAME)



REFERENCE COUNT: 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

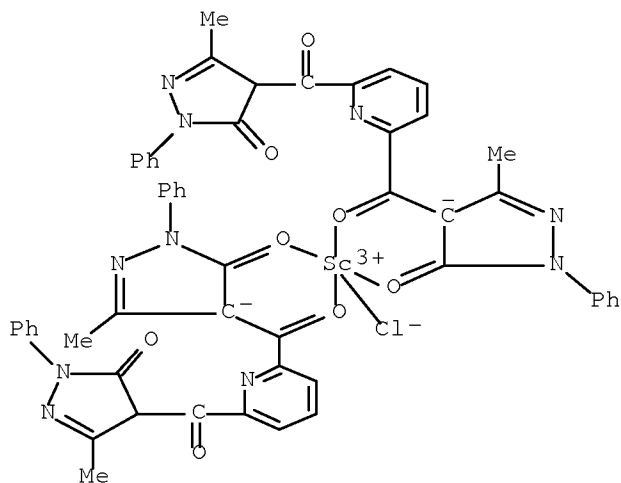
L18 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1995:519443 CAPLUS [Full-text](#)
 DOCUMENT NUMBER: 122:305246
 TITLE: Synthesis, characterization and reactivity of coordination compounds of Group 12 metals containing the N2-donor ligand bis(3,4,5-trimethylpyrazol-1-yl)methane
 AUTHOR(S): Pettinari, C.; Lobbia, G. Gioia; Lorenzotti, A.; Cingolani, A.
 CORPORATE SOURCE: Dip. Sci. Chim., Univ. delgi Stud., Camerino, 62032, Italy
 SOURCE: Polyhedron (1995), 14(6), 793-803
 CODEN: PLYHDE; ISSN: 0277-5387
 PUBLISHER: Elsevier
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 163233-02-1P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)
 RN 163233-02-1 CAPLUS
 CN Cadmium, bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')-, monohydrate, (T-4)- (9CI) (CA INDEX NAME)



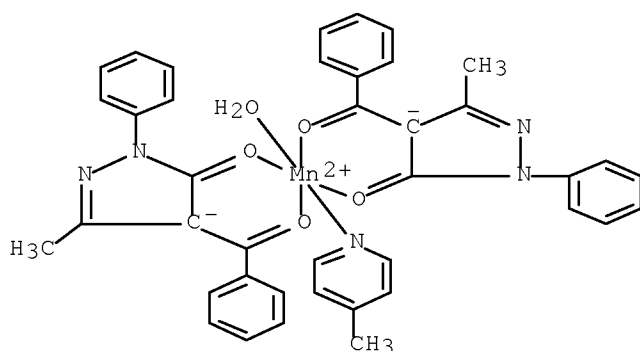
● H₂O

L18 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1995:329242 CAPLUS [Full-text](#)
 DOCUMENT NUMBER: 122:176941
 TITLE: Studies on the characteristics of rare earth solid complexes and extraction compounds with PDCBP
 AUTHOR(S): Zhou, Henghui; Wang, Yingwei; Tong, Jue
 CORPORATE SOURCE: Dep. Chem., Xiangtan Univ., Xiangtan, 411105, Peop. Rep. China
 SOURCE: Xiangtan Daxue Ziran Kexue Xuebao (1994),

16(3), 54-7, 71
 CODEN: XDZXEW; ISSN: 1000-5900
 PUBLISHER: Xiangtan Daxue
 DOCUMENT TYPE: Journal
 LANGUAGE: Chinese
 IT 161529-77-7P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation of)
 RN 161529-77-7 CAPLUS
 CN Scandium, chlorobis[[4,4'-(2,6-pyridinediylldicarbonyl)bis[2,4-dihydro-5-
 methyl-2-phenyl-3H-pyrazol-3-onato]] (1-)-O3,O4]- (9CI) (CA INDEX NAME)

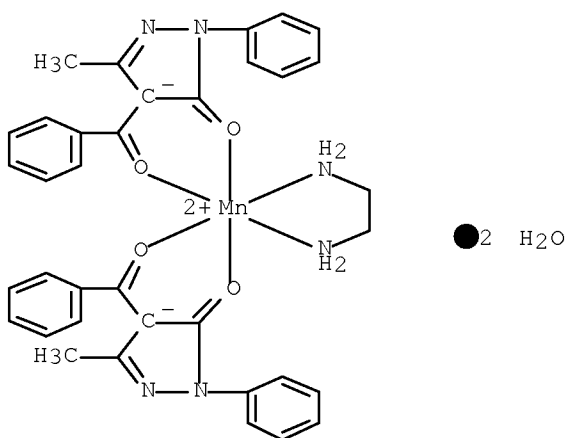


L18 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1990:525269 CAPLUS Full-text
 DOCUMENT NUMBER: 113:125269
 TITLE: Synthesis and spectral studies of Mn(PMBP)2 adducts
 AUTHOR(S): Zhuge, Xiemel; Chen, Ke; Chen, Yan; Feng, Yafei; Chen,
 Jimin; Xu, Yuanzhi
 CORPORATE SOURCE: Dep. Chem., Zhejiang Univ., Hangzhou, 310027, Peop.
 Rep. China
 SOURCE: Yingyong Huaxue (1990), 7(2), 6-9
 CODEN: YIHUED; ISSN: 1000-0518
 DOCUMENT TYPE: Journal
 LANGUAGE: Chinese
 IT 129198-12-5P 129198-13-6P 129219-60-9P
 129219-62-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and IR and ESR spectra of)
 RN 129198-12-5 CAPLUS
 CN Manganese, aquabis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-
 onato-O,O') (4-methylpyridine)- (9CI) (CA INDEX NAME)



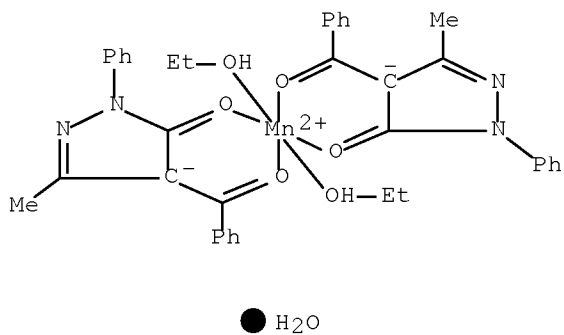
RN 129198-13-6 CAPLUS

CN Manganese, bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O') (1,2-ethanediamine-N,N')-, dihydrate (9CI) (CA INDEX NAME)



RN 129219-60-9 CAPLUS

CN Manganese, bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')bis(ethanol)-, monohydrate (9CI) (CA INDEX NAME)



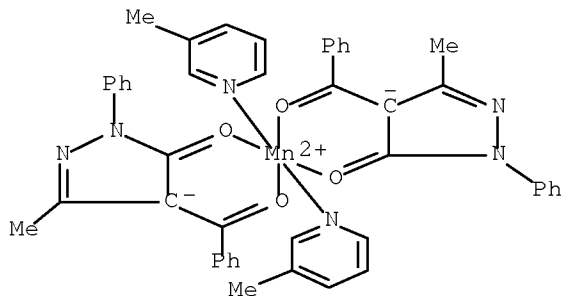
RN 129219-62-1 CAPLUS

CN Manganese, bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-O,O')bis(3-methylpyridine)-, compd. with ethanol (1:1) (9CI) (CA INDEX NAME)

NAME)

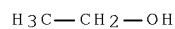
CM 1

CRN 129219-61-0
CMF C46 H40 Mn N6 O4
CCI CCS



CM 2

CRN 64-17-5
CMF C2 H6 O

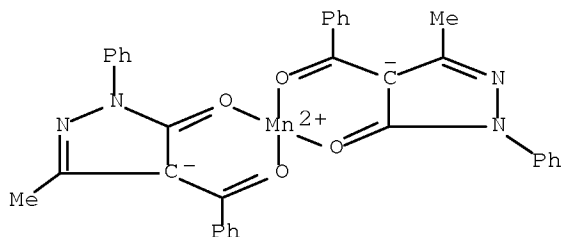


IT 81714-12-7

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with ethanol or methylpyridine or
ethylenediamine)

RN 81714-12-7 CAPLUS

CN Manganese, bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-
O,O')- (9CI) (CA INDEX NAME)



=> file registry
COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

136.27

315.30

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STRUCTURE FILE UPDATES: 8 APR 2008 HIGHEST RN 1012980-81-2
DICTIONARY FILE UPDATES: 8 APR 2008 HIGHEST RN 1012980-81-2

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

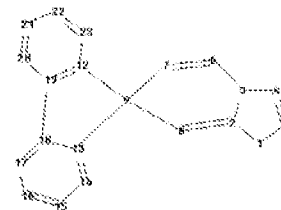
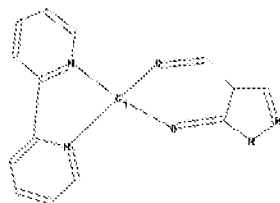
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=>

Uploading C:\Program Files\STNEXP\Queries\10537315\10537315b.str



ring nodes :
1 2 3 4 5 6 7 8 9 12 13 14 15 16 17 18 19 20 21 22 23
ring bonds :
1-2 1-5 2-3 2-8 3-4 3-6 4-5 6-7 7-9 8-9 9-12 9-13 12-19 12-23 13-14
13-18 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23
exact/norm bonds :
1-2 1-5 2-3 2-8 3-4 3-6 4-5 6-7 7-9 8-9 9-12 9-13 18-19
normalized bonds :
12-19 12-23 13-14 13-18 14-15 15-16 16-17 17-18 19-20 20-21 21-22 22-23

G1: Cd, Co, Cr, Fe, Ga, Ge, In, Ir, Mn, Mo, Nb, Ni, Pb, Pd, Pt, Rh, Ru, Sb, Sc, Sn

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 12:Atom
13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom

L19 STRUCTURE UPLOADED

=> s l19 sss sam

SAMPLE SEARCH INITIATED 13:47:36 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 10 TO ITERATE

100.0% PROCESSED 10 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**
PROJECTED ITERATIONS: 11 TO 389
PROJECTED ANSWERS: 1 TO 80

L20 1 SEA SSS SAM L19

=> s l19 sss full
FULL SEARCH INITIATED 13:47:42 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 156 TO ITERATE

100.0% PROCESSED 156 ITERATIONS 15 ANSWERS
SEARCH TIME: 00.00.01

L21 15 SEA SSS FUL L19

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 178.82 494.12

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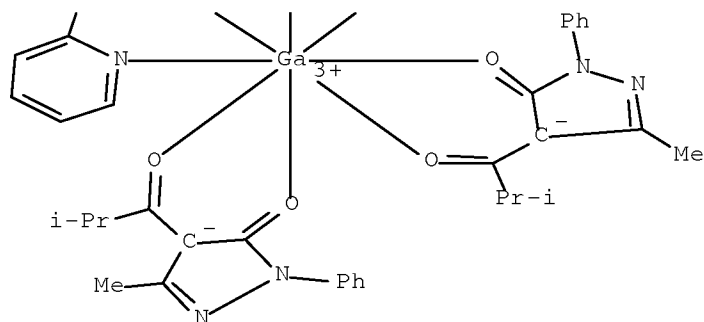
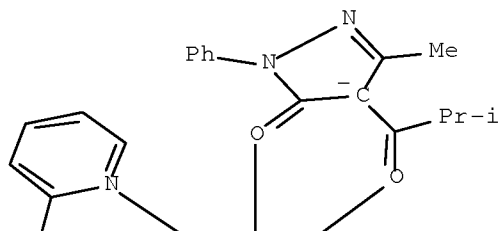
FILE COVERS 1907 - 9 Apr 2008 VOL 148 ISS 15
FILE LAST UPDATED: 8 Apr 2008 (20080408/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l21
L22 6 L21
=> d l22 1-6 ibib hitstr

L22 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:1128122 CAPLUS Full-text
DOCUMENT NUMBER: 143:395889
TITLE: Electroluminescence from exciplex on the interface between TPD and La(PMIP)3(Bipy)
AUTHOR(S): Gao, De-qing; Bian, Zu-qiang; Huang, Yan-yi; Huang, Chun-hui; Ibrahim, K.; Liu, Feng-qin
CORPORATE SOURCE: State Key Laboratory of Rare Earth Materials Chemistry and Applications, Peking University, Beijing, 100871, Peop. Rep. China
SOURCE: Chemical Research in Chinese Universities (2004), 20(6), 790-794
CODEN: CRCUED; ISSN: 1005-9040
PUBLISHER: Higher Education Press
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 866940-70-7
RL: DEV (Device component use); USES (Uses)
(electroluminescence from exciplex on interface between TPD and La(PMIP)3(Bipy))
RN 866940-70-7 CAPLUS
CN Gadolinium, (2,2'-bipyridine- κ N1, κ N1')tris[2,4-dihydro-5-methyl-4-[2-methyl-1-(oxo- κ O)propyl]-2-phenyl-3H-pyrazol-3-onato- κ O3]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:793465 CAPLUS Full-text

DOCUMENT NUMBER: 142:231769

TITLE: Tin(II) and lead(II) 4-acyl-5-pyrazolonates:
Synthesis, spectroscopic and X-ray structural
characterization

AUTHOR(S): Pettinari, Claudio; Marchetti, Fabio; Pettinari,
Riccardo; Cingolani, Augusto; Rivarola, Eleonora;
Phillips, Christine; Tanski, Joseph; Rossi, Miriam;
Caruso, Francesco

CORPORATE SOURCE: Dipartimento di Scienze Chimiche, Universita di
Camerino, Camerino, 62032, Italy

SOURCE: European Journal of Inorganic Chemistry (2004), (17),
3484-3497

CODEN: EJICFO; ISSN: 1434-1948

PUBLISHER: Wiley-VCH Verlag GmbH & Co. KGaA

DOCUMENT TYPE: Journal

LANGUAGE: English

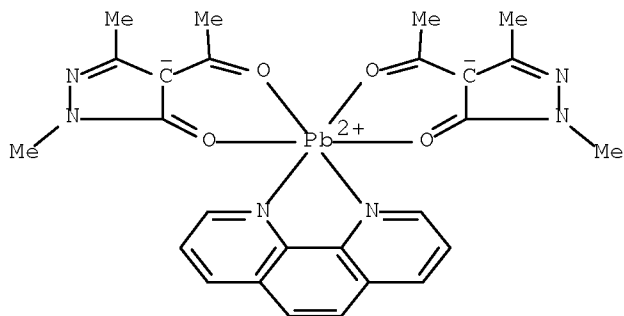
OTHER SOURCE(S): CASREACT 142:231769

IT 842122-67-2P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and crystal structure of)

RN 842122-67-2 CAPLUS

CN Lead, bis[4-(acetyl-κO)-2,4-dihydro-2,5-dimethyl-3H-pyrazol-3-onato-κO3](1,10-phenanthroline-κN1,κN10)- (CA INDEX NAME)



REFERENCE COUNT: 70 THERE ARE 70 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:494506 CAPLUS Full-text

DOCUMENT NUMBER: 135:250842

TITLE: Zinc and cadmium derivatives containing several 4-acyl-5-pyrazolonate donors and additional ancillary ligands

AUTHOR(S): Marchetti, Fabio

CORPORATE SOURCE: Dipartimento di Scienze Chimiche, Universita degli Studi di Camerino, Camerino, 62032, Italy

SOURCE: Main Group Metal Chemistry (2001), 24(5), 257-266

CODEN: MGMCE8; ISSN: 0792-1241

PUBLISHER: Freund Publishing House Ltd.

DOCUMENT TYPE: Journal

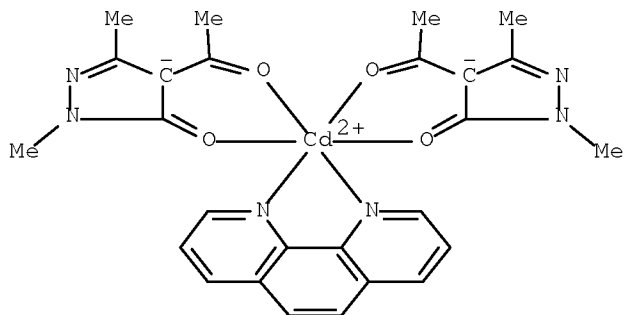
LANGUAGE: English

OTHER SOURCE(S): CASREACT 135:250842

IT 359888-29-2P 359888-30-5P 359888-31-6P
359888-35-0P 359888-36-1P 359888-38-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

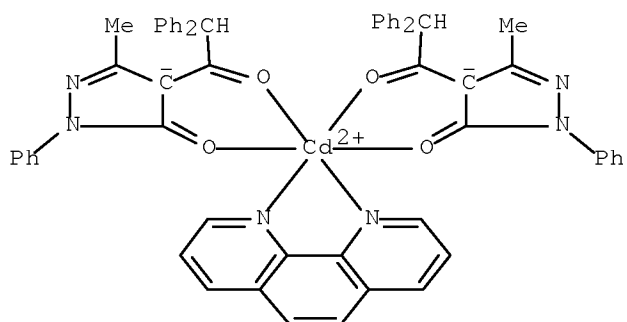
RN 359888-29-2 CAPLUS

CN Cadmium, bis[4-(acetyl-κO)-2,4-dihydro-2,5-dimethyl-3H-pyrazol-3-onato-κO3](1,10-phenanthroline-κN1,κN10)- (CA INDEX NAME)



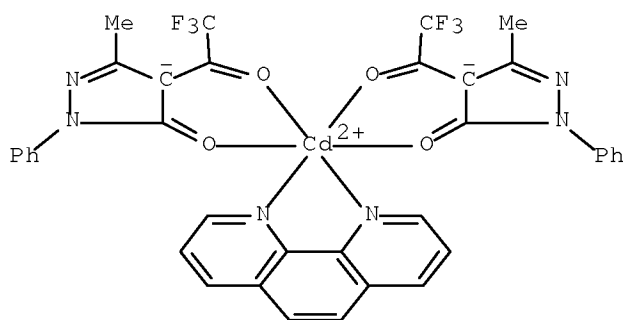
RN 359888-30-5 CAPLUS

CN Cadmium, bis[4-(diphenylacetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3](1,10-phenanthroline-κN1,κN10)- (9CI) (CA INDEX NAME)



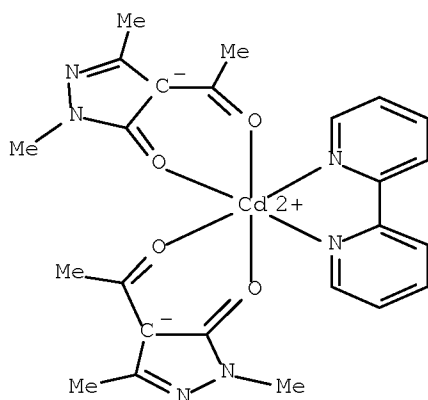
RN 359888-31-6 CAPLUS

CN Cadmium, bis[2,4-dihydro-5-methyl-2-phenyl-4-(trifluoroacetyl- κ O)-3H-pyrazol-3-onato- κ O3](1,10-phenanthroline- κ N1, κ N10)-(9CI) (CA INDEX NAME)



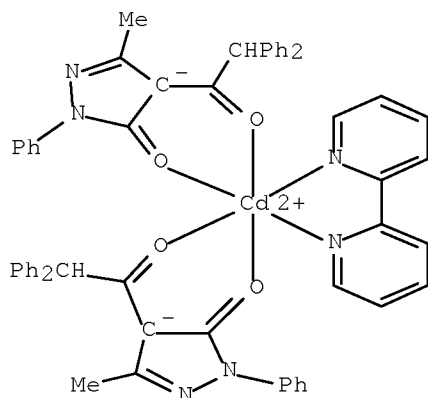
RN 359888-35-0 CAPLUS

CN Cadmium, bis[4-(acetyl- κ O)-2,4-dihydro-2,5-dimethyl-3H-pyrazol-3-onato- κ O3](2,2'-bipyridine- κ N1, κ N1')-(CA INDEX NAME)

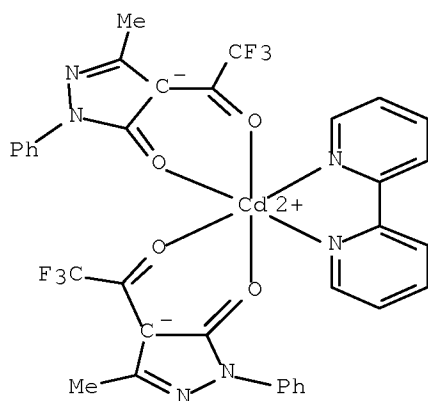


RN 359888-36-1 CAPLUS

CN Cadmium, (2,2'-bipyridine- κ N1, κ N1')bis[4-(diphenylacetyl- κ O)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato- κ O3]-(9CI) (CA INDEX NAME)



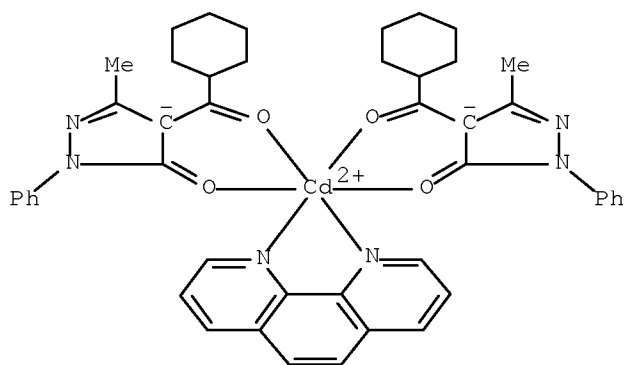
RN 359888-38-3 CAPLUS
 CN Cadmium, (2,2'-bipyridine-κN1,κN1')bis[2,4-dihydro-5-methyl-2-phenyl-4-(trifluoroacetyl-κO)-3H-pyrazol-3-onato-κO3]- (9CI)
 (CA INDEX NAME)



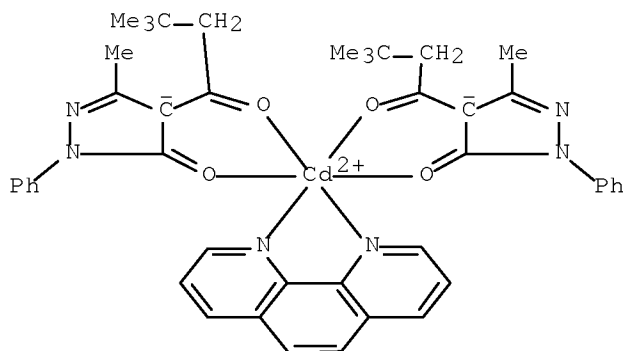
REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2000:135928 CAPLUS [Full-text](#)
 DOCUMENT NUMBER: 132:317195
 TITLE: Novel bis(acylpyrazolonato)cadmium(II) derivatives and their reactivity toward aromatic and aliphatic N2-donor ligands
 AUTHOR(S): Pettinari, Claudio; Marchetti, Fabio; Cingolani, Augusto; Pettinari, Riccardo; Troyanov, Sergei I.; Drozdov, Andrei
 CORPORATE SOURCE: Dipartimento di Scienze Chimiche, Universita degli Studi di Camerino, Camerino, 62032, Italy
 SOURCE: Dalton (2000), (5), 831-836
 CODEN: DALTFG; ISSN: 1470-479X
 PUBLISHER: Royal Society of Chemistry
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 265321-51-5P
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (preparation and crystal and mol. structure)
 RN 265321-51-5 CAPLUS
 CN Cadmium, bis[4-(cyclohexylcarbonyl-κO)-2,4-dihydro-5-methyl-2-phenyl-

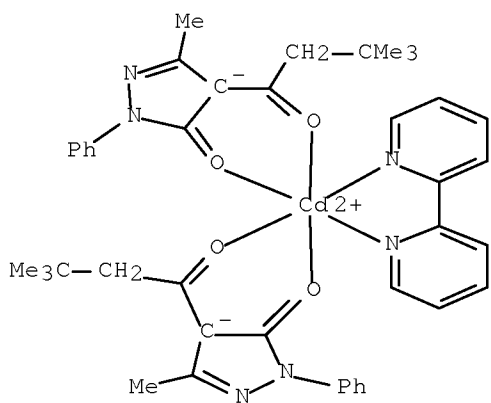
3H-pyrazol-3-onato-κO3] (1,10-phenanthroline-κN1,κN10)-,
(OC-6-33)- (CA INDEX NAME)



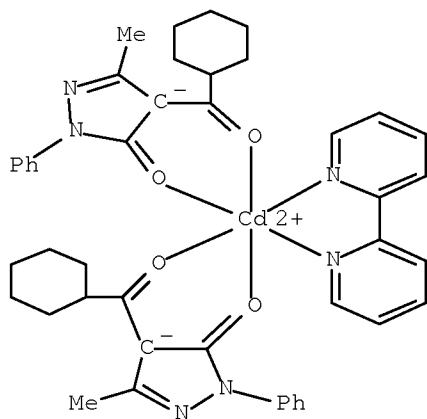
IT 265321-50-4P 265321-52-6P 265321-53-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 265321-50-4 CAPLUS
CN Cadmium, bis[4-[3,3-dimethyl-1-(oxo-κO)butyl]-2,4-dihydro-5-methyl-2-
phenyl-3H-pyrazol-3-onato-κO3] (1,10-phenanthroline-
κN1,κN10)-, (OC-6-33)- (CA INDEX NAME)



RN 265321-52-6 CAPLUS
CN Cadmium, (2,2'-bipyridine-κN1,κN1')bis[4-[3,3-dimethyl-1-(oxo-
κO)butyl]-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-
κO3]-, (OC-6-33)- (CA INDEX NAME)



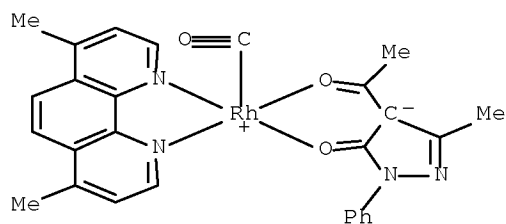
RN 265321-53-7 CAPLUS
 CN Cadmium, (2,2'-bipyridine-κN1,κN1')bis[4-(cyclohexylcarbonyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]-, (OC-6-33)- (CA INDEX NAME)



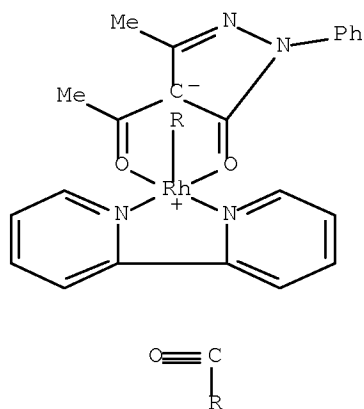
REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1998:567941 CAPLUS Full-text
 DOCUMENT NUMBER: 129:316354
 TITLE: (1-Phenyl-3-methyl-4-acetylpyrazolon-5-ato)rhodium(I) complexes, synthesis, structural and spectroscopical characterization: Reactivity of diolefin- and dicarbonyl-rhodium complexes toward N-, P- and O-donors
 AUTHOR(S): Pettinari, C.; Accorroni, F.; Cingolani, A.; Marchetti, F.; Cassetta, A.; Barba, L.
 CORPORATE SOURCE: Dipartimento di Scienze Chimiche, Universita di Camerino, Camerino, I-62032, Italy
 SOURCE: Journal of Organometallic Chemistry (1998), 566(1-2), 187-201
 CODEN: JORCAI; ISSN: 0022-328X
 PUBLISHER: Elsevier Science S.A.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 214747-56-5P 214747-57-6P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)

RN 214747-56-5 CAPLUS
 CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]carbonyl(4,7-dimethyl-1,10-phenanthroline-κN1,κN10)-, (SP-5-43)- (CA INDEX NAME)



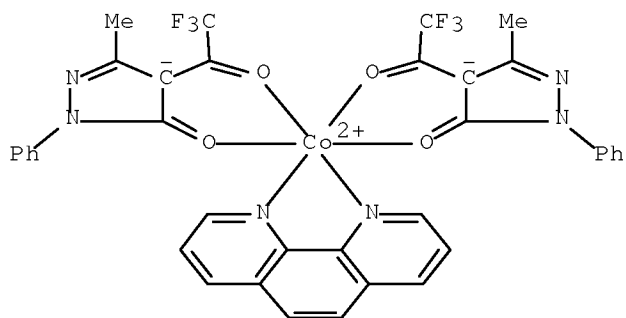
RN 214747-57-6 CAPLUS
 CN Rhodium, [4-(acetyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3](2,2'-bipyridine-κN1,κN1')carbonyl-, (SP-5-43)- (CA INDEX NAME)



REFERENCE COUNT: 77 THERE ARE 77 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1989:545688 CAPLUS [Full-text](#)
 DOCUMENT NUMBER: 111:145688
 TITLE: Study on the synergistically extracted complex - synthesis, characterization and crystal structure of bis(1-phenyl-3-methyl-4-trifluoroacetylpyrazolone-5)mono(1,10-phenanthroline)cobalt(II)
 AUTHOR(S): Wang, Kezhi; Huang, Chunhui; Weng, Shifu; Xu, Guangxian; Han, Yuzhen; He, Cunheng; Zheng, Qitai
 CORPORATE SOURCE: Res. Cent. Rare Earth Chem., Peking Univ., Beijing, Peop. Rep. China
 SOURCE: Wuli Huaxue Xuebao (1989), 5(1), 20-6
 CODEN: WHXUEU; ISSN: 1000-6818
 DOCUMENT TYPE: Journal
 LANGUAGE: Chinese

IT 122645-05-0P
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (preparation and crystal structure of)
 RN 122645-05-0 CAPLUS
 CN Cobalt, bis[2,4-dihydro-5-methyl-2-phenyl-4-(trifluoroacetyl)-3H-pyrazol-3-onato-O,O'] (1,10-phenanthroline-N1,N10)-, (OC-6-33)- (9CI) (CA INDEX NAME)



```
=> file registry
COST IN U.S. DOLLARS                SINCE FILE      TOTAL
                                     ENTRY      SESSION
FULL ESTIMATED COST                31.62      525.74
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STRUCTURE FILE UPDATES: 8 APR 2008 HIGHEST RN 1012980-81-2
 DICTIONARY FILE UPDATES: 8 APR 2008 HIGHEST RN 1012980-81-2

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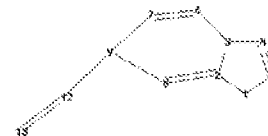
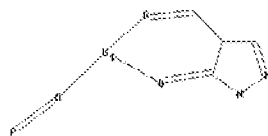
TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

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 conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
 predicted properties as well as tags indicating availability of
 experimental property data in the original document. For information
 on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>
 Uploading C:\Program Files\STNEXP\Queries\10537315\10537315c.str



chain nodes :
 12 13
 ring nodes :
 1 2 3 4 5 6 7 8 9

chain bonds :
9-12 12-13
ring bonds :
1-2 1-5 2-3 2-8 3-4 3-6 4-5 6-7 7-9 8-9
exact/norm bonds :
1-2 1-5 2-3 2-8 3-4 3-6 4-5 6-7 7-9 8-9 9-12 12-13

G1: Cd, Co, Cr, Fe, Ga, Ge, In, Ir, Mn, Mo, Nb, Ni, Pb, Pd, Pt, Rh, Ru, Sb, Sc, Sn

Match level :
1: Atom 2: Atom 3: Atom 4: Atom 5: Atom 6: Atom 7: Atom 8: Atom 9: Atom 12: CLASS
13: CLASS

L23 STRUCTURE UPLOADED

=> s l23 sss sam
SAMPLE SEARCH INITIATED 13:59:23 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 3 TO ITERATE

100.0% PROCESSED 3 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 3 TO 163
PROJECTED ANSWERS: 0 TO 0

L24 0 SEA SSS SAM L23

=> s l23 sss full
FULL SEARCH INITIATED 13:59:28 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 83 TO ITERATE

100.0% PROCESSED 83 ITERATIONS 14 ANSWERS
SEARCH TIME: 00.00.01

L25 14 SEA SSS FUL L23

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 178.36 704.10

FILE 'CAPLUS' ENTERED AT 13:59:32 ON 09 APR 2008
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FILE COVERS 1907 - 9 Apr 2008 VOL 148 ISS 15
FILE LAST UPDATED: 8 Apr 2008 (20080408/ED)

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=> s l25
L26 5 L25

=> d l26 1-5 ibib hitstr

L26 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1991:641127 CAPLUS Full-text
 DOCUMENT NUMBER: 115:241127
 TITLE:

Steric effects of polymethylene chain length on the
 liquid-liquid extraction of nickel(II) and zinc(II)
 with bis(4-acylpyrazol-5-one) derivatives in the
 presence or absence of tri-n-octylphosphine oxide

AUTHOR(S): Miyazaki, Shoji; Mukai, Hiroshi; Umetani, Shigeo;
 Kihara, Sorin; Matsui, Masakazu
 CORPORATE SOURCE: Inst. Chem. Res., Kyoto Univ., Kyoto, 611, Japan
 SOURCE: Analytica Chimica Acta (1991), 249(2), 525-32
 CODEN: ACACAM; ISSN: 0003-2670
 DOCUMENT TYPE: Journal
 LANGUAGE: English

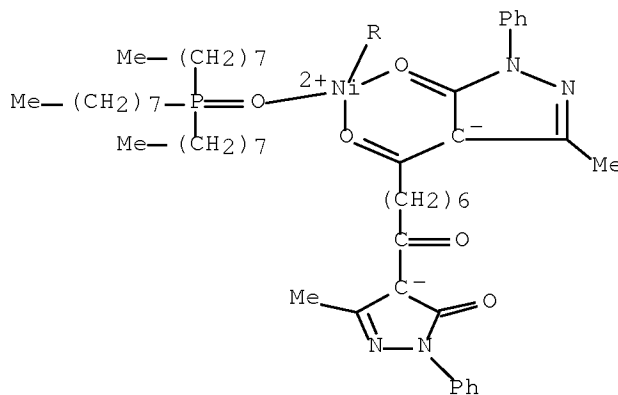
IT 137288-78-9D, nickel and zinc complexes 137288-79-0D,
 nickel and zinc complexes 137336-56-2D, nickel and zinc
 complexes 137336-57-3D, nickel and zinc complexes
 137336-58-4D, nickel and zinc complexes 137336-59-5D,
 nickel and zinc complexes

RL: PRP (Properties)
 (stability consts. of)

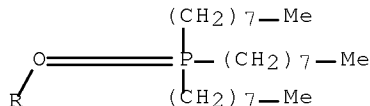
RN 137288-78-9 CAPLUS

CN Nickel, [1,8-bis(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,8-
 octanedionato(2-)-O1,O1']bis(trioctylphosphine oxide)- (9CI) (CA INDEX
 NAME)

PAGE 1-A



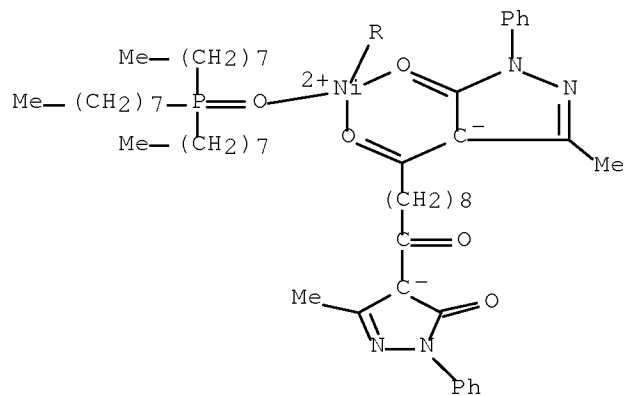
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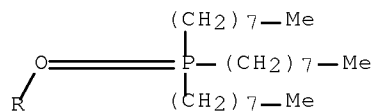
RN 137288-79-0 CAPLUS

CN Nickel, [1,10-bis(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-
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 INDEX NAME)

PAGE 1-A

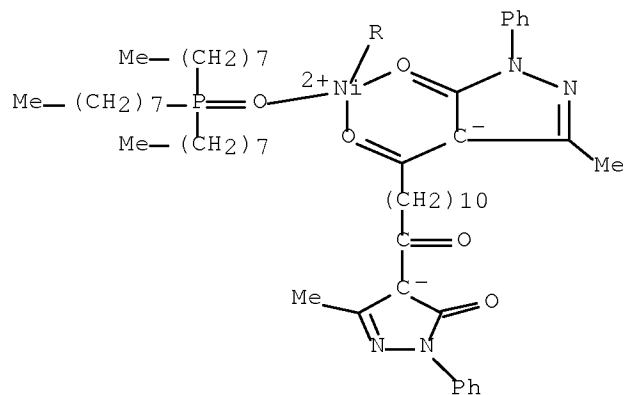


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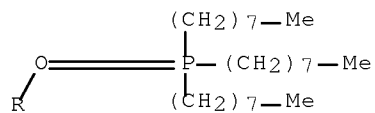


RN 137336-56-2 CAPLUS
 CN Nickel, [1,12-bis(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-
 1,12-dodecanedionato(2-)-O,O',O'',O''']bis(trioctylphosphine oxide-O)-
 (9CI) (CA INDEX NAME)

PAGE 1-A

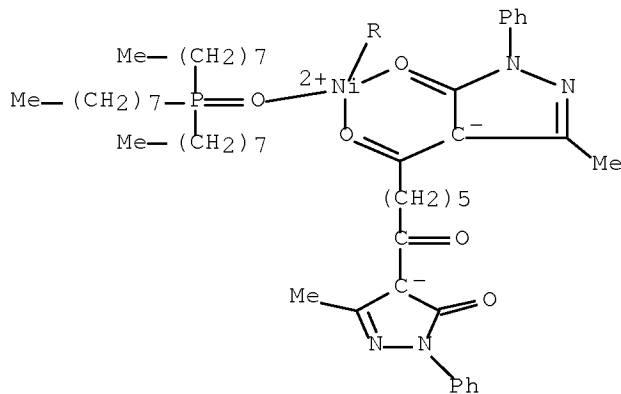


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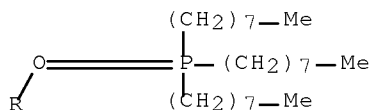


RN 137336-57-3 CAPLUS
 CN Nickel, [1,7-bis(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,7-heptanedionato(2-)-O,O',O'',O''']bis(trioctylphosphine oxide-O)- (9CI)
 (CA INDEX NAME)

PAGE 1-A

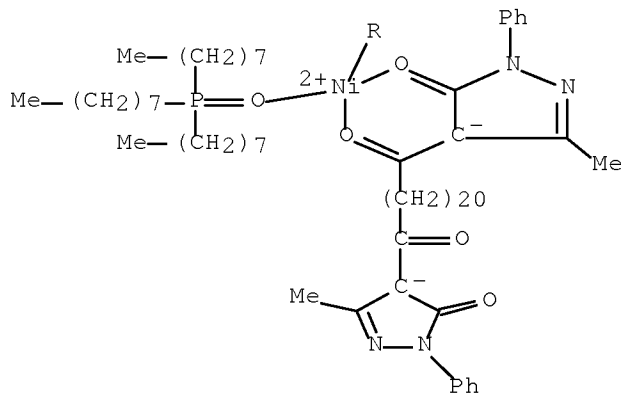


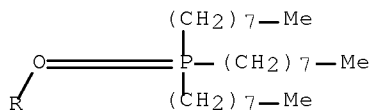
PAGE 2-A



RN 137336-58-4 CAPLUS
 CN Nickel, [1,22-bis(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,22-docosanedionato(2-)-O,O',O'',O''']bis(trioctylphosphine oxide-O)- (9CI)
 (CA INDEX NAME)

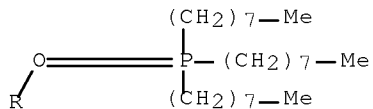
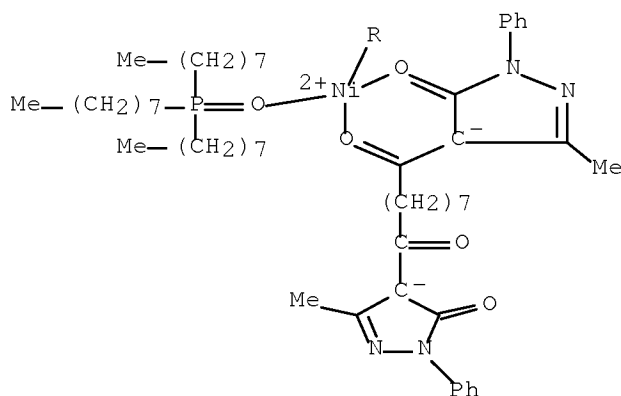
PAGE 1-A





RN 137336-59-5 CAPLUS

CN Nickel, [1,9-bis(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)-1,9-nonanedionato(2-)-O,O',O'',O''']bis(trioctylphosphine oxide-O)- (9CI) (CA INDEX NAME)



L26 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1975:553292 CAPLUS Full-text

DOCUMENT NUMBER: 83:153292

ORIGINAL REFERENCE NO.: 83:24025a,24028a

TITLE: Synergic effects in liquid-liquid extraction of some heavy metals by 1-phenyl-3-methyl-4-benzoyl-pyrazol-5-one

AUTHOR(S): Navratil, O.

CORPORATE SOURCE: Dep. Radiochem., Purkyne Univ., Brno, Czech.

SOURCE: Proc. Int. Solvent Extr. Conf. (1974), Volume 3, 2585-92. Editor(s): Jeffreys, G. V. Soc. Chem. Ind.: London, Engl.

CODEN: 30XIAE

DOCUMENT TYPE: Conference

LANGUAGE: English

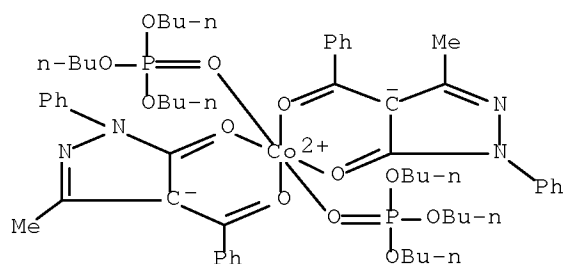
IT 56977-83-4 57014-17-2 57092-85-0
57307-07-0

RL: PRP (Properties); FORM (Formation, nonpreparative)
(formation consts. of, extraction in relation to)

RN 56977-83-4 CAPLUS

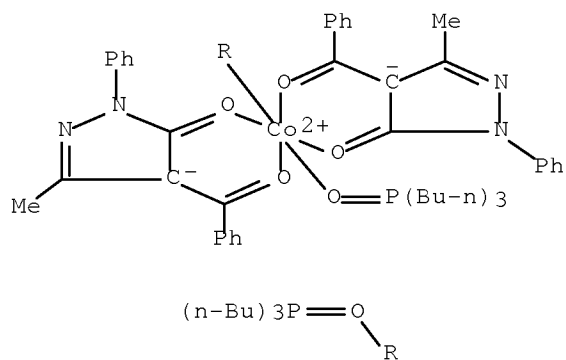
CN Cobalt, bis[4-(benzoyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]bis(tributyl phosphate-κO''')- (9CI) (CA INDEX

NAME)



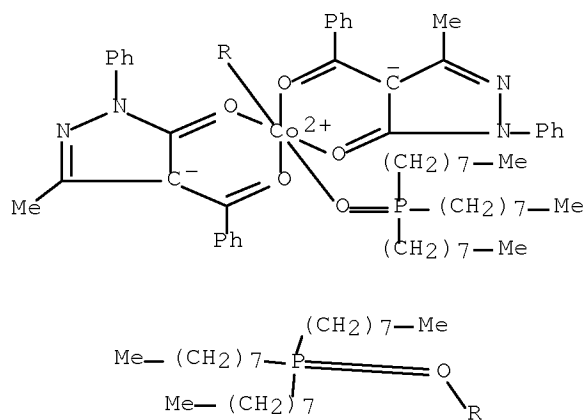
RN 57014-17-2 CAPLUS

CN Cobalt, bis[4-(benzoyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]bis(tributylphosphine oxide-κO)- (CA INDEX NAME)



RN 57092-85-0 CAPLUS

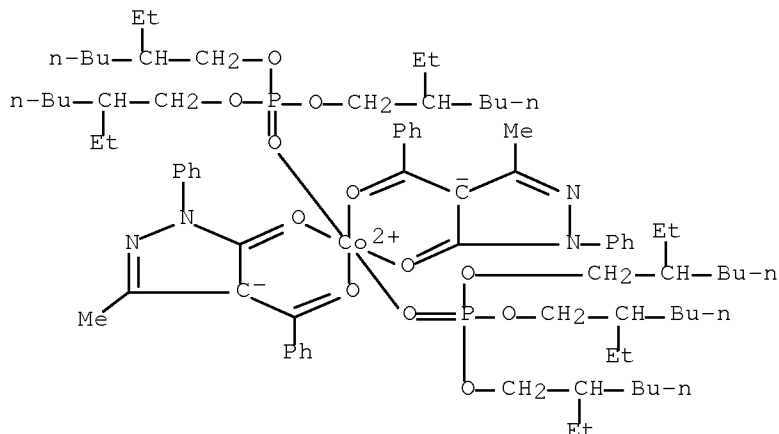
CN Cobalt, bis[4-(benzoyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-κO3]bis(trioctylphosphine oxide-κO)- (CA INDEX NAME)



RN 57307-07-0 CAPLUS

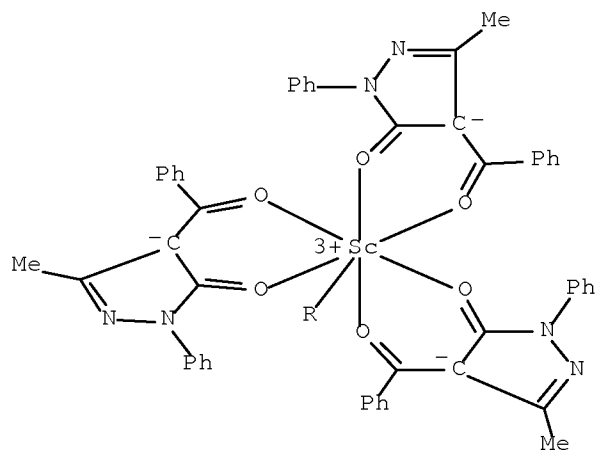
CN Cobalt, bis[4-(benzoyl-κO)-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-

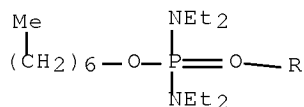
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INDEX NAME)



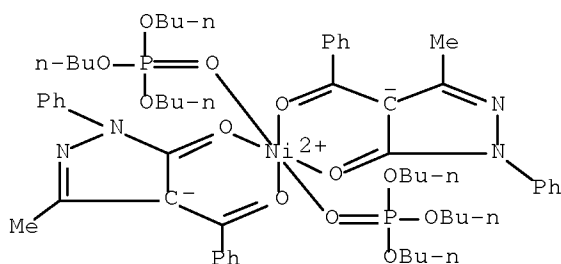
L26 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1975:466217 CAPLUS Full-text
 DOCUMENT NUMBER: 83:66217
 ORIGINAL REFERENCE NO.: 83:10384h,10385a
 TITLE: Mechanism of scandium and zirconium ion extraction by
 β-diketones and heptyl tetraethyldiamidophosphate
 AUTHOR(S): Fadeeva, V. I.; Putilina, V. S.; Alimarin, I. P.
 CORPORATE SOURCE: Mosk. Gos. Univ. im. Lomonosova, Moscow, USSR
 SOURCE: Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya
 (1975), (3), 507-13
 CODEN: IASKA6; ISSN: 0002-3353
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 IT 56174-36-8
 RL: PRP (Properties); FORM (Formation, nonpreparative)
 (formation consts. of, extraction in relation to)
 RN 56174-36-8 CAPLUS
 CN Scandium, tris(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-
 O,O')(heptyl tetraethylphosphorodiamidate-O')- (9CI) (CA INDEX NAME)

PAGE 1-A

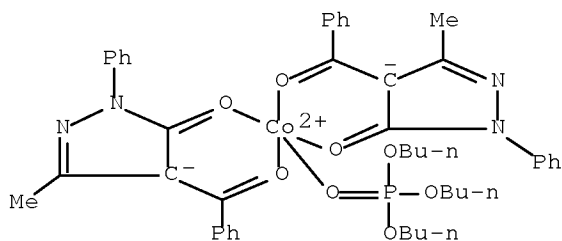




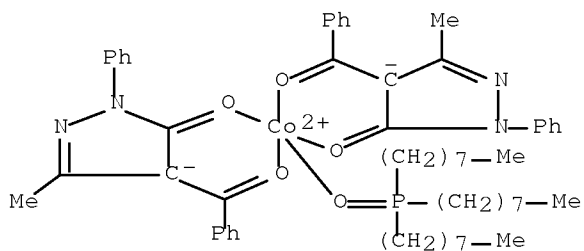
L26 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1973:164875 CAPLUS [Full-text](#)
 DOCUMENT NUMBER: 78:164875
 ORIGINAL REFERENCE NO.: 78:26419a,26422a
 TITLE: Synergistic effects in solvent extraction of nickel
 with 4-benzyl-3-methyl-1-phenylpyrazolin-5-one
 AUTHOR(S): Joshi, S. N.; Enanova, E. K.; Peshkova, V. M.
 CORPORATE SOURCE: Dep. Anal. Chem., Moscow State Univ., Moscow, USSR
 SOURCE: Indian Journal of Chemistry (1973), 11(1), 78-80
 CODEN: IJOCAP; ISSN: 0019-5103
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 41659-96-5
 RL: USES (Uses)
 (in extraction, of nickel)
 RN 41659-96-5 CAPLUS
 CN Nickel, bis(4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-onato-
 O,O')bis(tributyl phosphate-O''')- (9CI) (CA INDEX NAME)



L26 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1970:6651 CAPLUS [Full-text](#)
 DOCUMENT NUMBER: 72:6651
 ORIGINAL REFERENCE NO.: 72:1237a,1240a
 TITLE: Synergetic effects during the extraction of cobalt(II)
 with 1-phenyl-3-methyl-4-benzoyl-5-pyrazolone
 AUTHOR(S): Zolotov, Yu. A.; Gavrilova, L. G.
 CORPORATE SOURCE: USSR
 SOURCE: Radiokhimiya (1969), 11(4), 389-93
 CODEN: RADKAU; ISSN: 0033-8311
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 IT 24688-82-2 24688-83-3
 RL: USES (Uses)
 (in extraction, of cobalt, synergetic effects in relation to)
 RN 24688-82-2 CAPLUS
 CN Cobalt, bis(4-benzoyl-3-methyl-1-phenyl-2-pyrazolin-5-onato)(phosphoric
 acid)-, tributyl ester (8CI) (CA INDEX NAME)



RN 24688-83-3 CAPLUS
 CN Cobalt, bis(4-benzoyl-3-methyl-1-phenyl-2-pyrazolin-5-onato)(trioctylphosphine oxide)- (8CI) (CA INDEX NAME)



=>
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 Connection closed by remote host

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PASSWORD:

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NEWS	4	JAN 28 USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS	5	JAN 28 MARPAT searching enhanced
NEWS	6	JAN 28 USGENE now provides USPTO sequence data within 3 days

of publication

NEWS 7	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS 8	JAN 28	MEDLINE and LMEDLINE reloaded with enhancements
NEWS 9	FEB 08	STN Express, Version 8.3, now available
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NEWS 11	FEB 25	IFIREF reloaded with enhancements
NEWS 12	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS 13	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification
NEWS 14	MAR 31	IFICDB, IFIPAT, and IFIUIDB enhanced with new custom IPC display formats
NEWS 15	MAR 31	CAS REGISTRY enhanced with additional experimental spectra
NEWS 16	MAR 31	CA/CAPLUS and CASREACT patent number format for U.S. applications updated
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NEWS 18	MAR 31	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 19	APR 04	STN AnaVist, Version 1, to be discontinued

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AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

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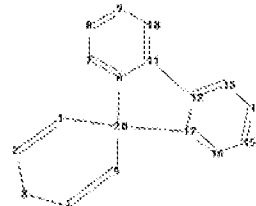
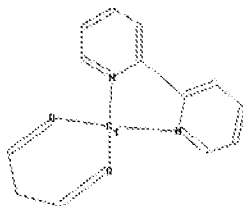
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12-17 13-14 14-15 15-16 16-17 17-20
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G1:Al,Cd,Cr,Ga,Ge,In,Ir,Mo,Ni,Pb,Pd,Pt,Rh,Sb,Sc,Sn,Ti,V,Zr

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 20:Atom

L1 STRUCTURE UPLOADED

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SAMPLE SCREEN SEARCH COMPLETED - 131 TO ITERATE

100.0% PROCESSED 131 ITERATIONS

18 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 1934 TO 3306

PROJECTED ANSWERS: 106 TO 614

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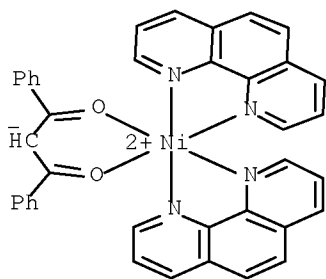
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L2 18 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

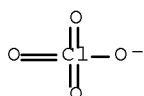
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MF C39 H27 N4 Ni O2 . Cl O4

CM 1



CM 2



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

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100.0% PROCESSED 2823 ITERATIONS 367 ANSWERS
 SEARCH TIME: 00.00.01

L3 367 SEA SSS FUL L1

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 FILE LAST UPDATED: 9 Apr 2008 (20080409/ED)

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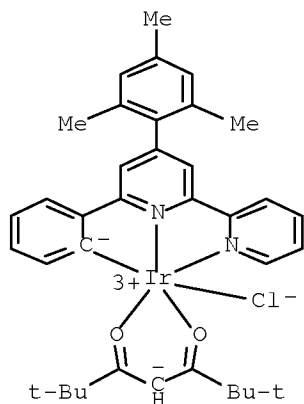
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L5 138 L3

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L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:1006627 CAPLUS Full-text
DOCUMENT NUMBER: 145:386012
TITLE: Material for organic el device, organic el device,
display and illuminating device
INVENTOR(S): Sekine, Noboru; Oshiyama, Tomohiro; Nishizeki, Masato;
Katoh, Eisaku
PATENT ASSIGNEE(S): Konica Minolta Holdings, Inc., Japan
SOURCE: PCT Int. Appl., 91pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006100888	A1	20060928	WO 2006-JP304062	20060303
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRIORITY APPLN. INFO.: JP 2005-81837 A 20050322
OTHER SOURCE(S): MARPAT 145:386012
IT 910655-30-0
RL: DEV (Device component use); MOA (Modifier or additive use);
USES (Uses)
(material for organic electroluminescent device, organic electroluminescent device, display and illuminating device)
RN 910655-30-0 CAPLUS
CN Iridium, chloro(2,2,6,6-tetramethyl-3,5-heptanedionato-
κO,κO') [2-[4-(2,4,6-trimethylphenyl) [2,2'-bipyridin]-6-yl-
κN1,κN1']phenyl-κC]- (9CI) (CA INDEX NAME)



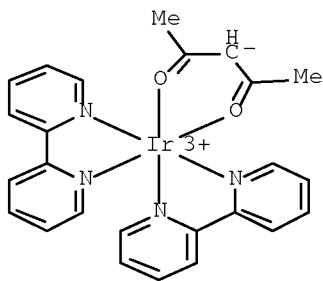
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L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN

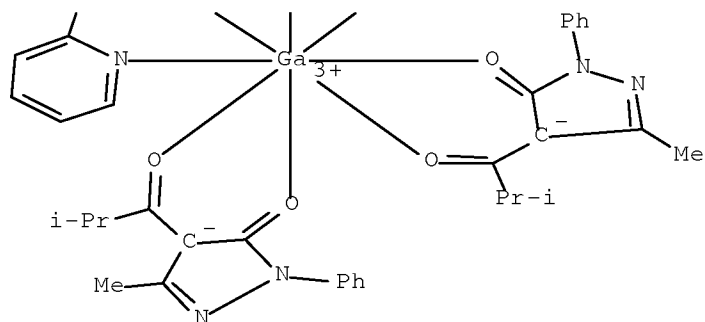
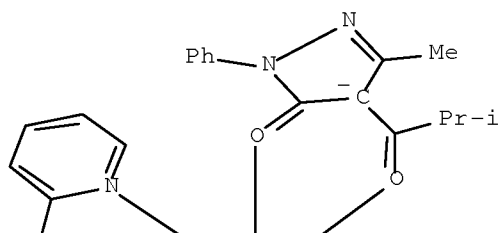
ACCESSION NUMBER: 2006:669293 CAPLUS Full-text
 DOCUMENT NUMBER: 145:220753
 TITLE: Method for manufacturing organic electrophosphorescent device
 INVENTOR(S): Qiu, Yong; Lei, Gangtie; Wang, Liduo
 PATENT ASSIGNEE(S): Tsinghua Univ., Peop. Rep. China; Beijing Visionox Technology Co., Ltd.
 SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 32pp.
 CODEN: CNXXEV
 DOCUMENT TYPE: Patent
 LANGUAGE: Chinese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1582073	A	20050216	CN 2004-10069263	20040716
PRIORITY APPLN. INFO.:			CN 2004-10004468	A 20040227

IT 162196-00-1
 RL: DEV (Device component use); PRP (Properties); USES (Uses)
 (method for manufacturing organic electrophosphorescent device)
 RN 162196-00-1 CAPLUS
 CN Iridium(2+), bis(2,2'-bipyridine-κN1,κN1')(2,4-pentanedionato-κO,κO')-, (OC-6-22)- (9CI) (CA INDEX NAME)



L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:1128122 CAPLUS Full-text
 DOCUMENT NUMBER: 143:395889
 TITLE: Electroluminescence from exciplex on the interface between TPD and La(PMIP)3(Bipy)
 AUTHOR(S): Gao, De-qing; Bian, Zu-qiang; Huang, Yan-yi; Huang, Chun-hui; Ibrahim, K.; Liu, Feng-qin
 CORPORATE SOURCE: State Key Laboratory of Rare Earth Materials Chemistry and Applications, Peking University, Beijing, 100871, Peop. Rep. China
 SOURCE: Chemical Research in Chinese Universities (2004), 20(6), 790-794
 CODEN: CRCUED; ISSN: 1005-9040
 PUBLISHER: Higher Education Press
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 866940-70-7
 RL: DEV (Device component use); USES (Uses)
 (electroluminescence from exciplex on interface between TPD and La(PMIP)3(Bipy))
 RN 866940-70-7 CAPLUS
 CN Gadolinium, (2,2'-bipyridine-κN1,κN1')tris[2,4-dihydro-5-methyl-4-[2-methyl-1-(oxo-κO)propyl]-2-phenyl-3H-pyrazol-3-onato-κO3]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 08:37:53 ON 10 APR 2008)

FILE 'REGISTRY' ENTERED AT 08:38:06 ON 10 APR 2008

L1 STRUCTURE UPLOADED
L2 18 S L1 SSS SAM
L3 367 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 08:40:28 ON 10 APR 2008

L4 3 S L3 AND DEV/RL
L5 138 S L3

=> s l5 and electrolumin?
80383 ELECTROLUMIN?

L6 7 L5 AND ELECTROLUMIN?

=> s l6 not l4
L7 4 L6 NOT L4

=> d l7 1-4 ibib hitstr

L7 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2007:1271475 CAPLUS [Full-text](#)
 DOCUMENT NUMBER: 147:531113
 TITLE: Electroluminescent bis-cyclometalated iridium compounds and devices made with such compounds
 INVENTOR(S): Ionkin, Alex Sergey; Marshall, William J.; Wang, Ying; Petrov, Viacheslav A.
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 15pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20070259205	A1	20071108	US 2006-430473	20060508
WO 2007133523	A2	20071122	WO 2007-US11068	20070508
WO 2007133523	A3	20080110		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

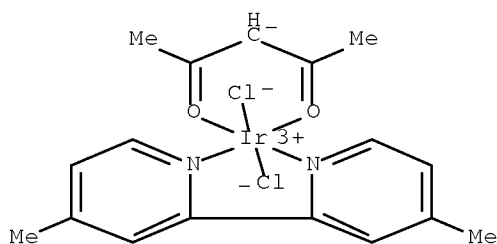
PRIORITY APPLN. INFO.: US 2006-430473 A 20060508

IT 956337-89-6P

RL: BYP (Byproduct); PREP (Preparation)
 (electroluminescent bis-cyclometalated iridium compds. and devices using them)

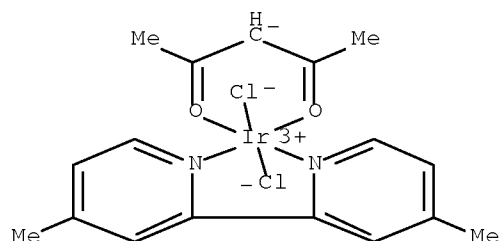
RN 956337-89-6 CAPLUS

CN Iridium, dichloro(4,4'-dimethyl-2,2'-bipyridine-**KN1**,**KN1'**)(2,4-pentanedionato-**KO2**,**KO4**)- (CA INDEX NAME)



L7 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2007:1075780 CAPLUS [Full-text](#)
 DOCUMENT NUMBER: 148:11318
 TITLE: Synthesis, structural characterization, and initial electroluminescent properties of bis-cycloirradiated complexes of 2-(3,5-bis(trifluoromethyl)phenyl)-4-methylpyridine
 AUTHOR(S): Ionkin, Alex S.; Wang, Ying; Marshall, William J.; Petrov, Viacheslav A.
 CORPORATE SOURCE: Experimental Station, DuPont Central Research and Development, Wilmington, DE, 19880-0328, USA
 SOURCE: Journal of Organometallic Chemistry (2007), 692(22), 4809-4827
 CODEN: JORCAI; ISSN: 0022-328X
 PUBLISHER: Elsevier Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English

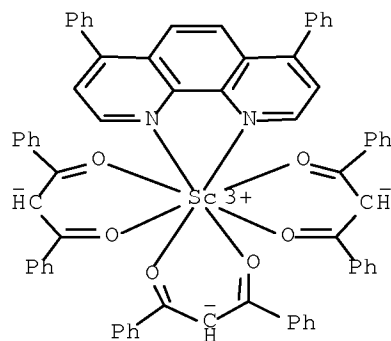
IT 957962-35-5P
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (crystal structure; synthesis, structural characterization, and initial
 electroluminescent properties of bis-cycloiridated complexes of
 2-(3,5-bis(trifluoromethyl)phenyl)-4-methylpyridine)
 RN 957962-35-5 CAPLUS
 CN Iridium, dichloro(4,4'-dimethyl-2,2'-bipyridine- $\kappa N1, \kappa N1'$)(2,4-
 pentanedionato- $\kappa O2, \kappa O4$)-, (OC-6-13)- (CA INDEX NAME)



REFERENCE COUNT: 59 THERE ARE 59 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

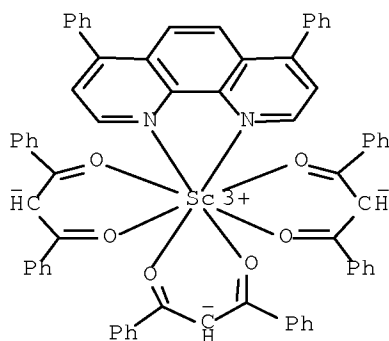
L7 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2007:8436 CAPLUS Full-text
 DOCUMENT NUMBER: 146:509925
 TITLE: Broad wavelength modulating and design of organic
 white diode based on lighting by using exciplex
 emission from mixed acceptors
 AUTHOR(S): Wang, D.; Li, W. L.; Su, Z. S.; Li, T. L.; Chu, B.;
 Bi, D. F.; Chen, L. L.; Su, W. M.; He, H.
 CORPORATE SOURCE: Key Laboratory of Excited State Processes, Changchun
 Institute of Optics, Fine Mechanics and Physics,
 Chinese Academy of Sciences, Changchun, 130033, Peop.
 Rep. China
 SOURCE: Applied Physics Letters (2006), 89(23),
 233511/1-233511/3
 CODEN: APPLAB; ISSN: 0003-6951
 PUBLISHER: American Institute of Physics
 DOCUMENT TYPE: Journal
 LANGUAGE: English

IT 936110-49-5
 RL: PRP (Properties); TEM (Technical or engineered material use); USES
 (Uses)
 (broad wavelength modulating and design of organic white diode based on
 lighting by using exciplex emission from mixed acceptors)
 RN 936110-49-5 CAPLUS
 CN Scandium, (4,7-diphenyl-1,10-phenanthroline- $\kappa N1, \kappa N10$)tris(1,3-
 diphenyl-1,3-propanedionato- $\kappa O1, \kappa O3$)- (CA INDEX NAME)



REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:686724 CAPLUS Full-text
DOCUMENT NUMBER: 147:41693
TITLE: Organic electroluminescent device using
Sc(DBM)3 bath as electron transport layer
AUTHOR(S): Chen, Li-li; Li, Wen-lian; Yu, Tian-zhi; Chen,
Guang-bo; Chu, Bei; Kong, Zhi-guo
CORPORATE SOURCE: Key Laboratory of Excited State Processes, Changchun
Institute of Optics, Fine Mechanics and Physics,
Chinese Academy of Sciences, Changchun, 130033, Peop.
Rep. China
SOURCE: Yejing Yu Xianshi (2006), 21(2), 188-190
CODEN: YYXIFY; ISSN: 1007-2780
PUBLISHER: Kexue Chubanshe
DOCUMENT TYPE: Journal
LANGUAGE: Chinese
IT 936110-49-5
RL: PRP (Properties); TEM (Technical or engineered material use); USES
(Uses)
(organic electroluminescent device using Sc(DBM)3 bath as
electron transport layer)
RN 936110-49-5 CAPLUS
CN Scandium, (4,7-diphenyl-1,10-phenanthroline- κ N1, κ N10)tris(1,3-
diphenyl-1,3-propanedionato- κ O1, κ O3)- (CA INDEX NAME)



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(FILE 'HOME' ENTERED AT 08:37:53 ON 10 APR 2008)

FILE 'REGISTRY' ENTERED AT 08:38:06 ON 10 APR 2008

L1 STRUCTURE UPLOADED
L2 18 S L1 SSS SAM
L3 367 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 08:40:28 ON 10 APR 2008

L4 3 S L3 AND DEV/RL
L5 138 S L3
L6 7 S L5 AND ELECTROLUMIN?
L7 4 S L6 NOT L4

=> s l5 and fluorescent
182636 FLUORESCENT
48 FLUORESCENTS
182651 FLUORESCENT
(FLUORESCENT OR FLUORESCENTS)
L8 1 L5 AND FLUORESCENT

=> s l5 and luminescent
54372 LUMINESCENT
9 LUMINESCENTS

54378 LUMINESCENT
(LUMINESCENT OR LUMINESCENTS)

L9 3 L5 AND LUMINESCENT

=> d 19 1-3 ibib hitstr

L9 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:1271475 CAPLUS Full-text

DOCUMENT NUMBER: 147:531113

TITLE: Electroluminescent bis-cyclometalated iridium compounds and devices made with such compounds

INVENTOR(S): Ionkin, Alex Sergey; Marshall, William J.; Wang, Ying; Petrov, Viacheslav A.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 15pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20070259205	A1	20071108	US 2006-430473	20060508
WO 2007133523	A2	20071122	WO 2007-US11068	20070508
WO 2007133523	A3	20080110		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

PRIORITY APPLN. INFO.: US 2006-430473 A 20060508

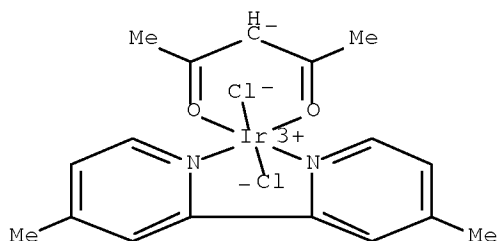
IT 956337-89-6P

RL: BYP (Byproduct); PREP (Preparation)

(electroluminescent bis-cyclometalated iridium compds. and devices using them)

RN 956337-89-6 CAPLUS

CN Iridium, dichloro(4,4'-dimethyl-2,2'-bipyridine- $\kappa N1, \kappa N1'$)(2,4-pentanedionato- $\kappa O2, \kappa O4$)- (CA INDEX NAME)



L9 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:1006627 CAPLUS Full-text

DOCUMENT NUMBER: 145:386012

TITLE: Material for organic el device, organic el device, display and illuminating device

INVENTOR(S): Sekine, Noboru; Oshiyama, Tomohiro; Nishizeki, Masato; Katoh, Eisaku

PATENT ASSIGNEE(S): Konica Minolta Holdings, Inc., Japan

SOURCE: PCT Int. Appl., 91pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006100888	A1	20060928	WO 2006-JP304062	20060303
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRIORITY APPLN. INFO.: JP 2005-81837 A 20050322

OTHER SOURCE(S): MARPAT 145:386012

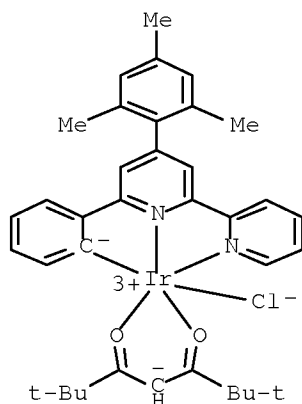
IT 910655-30-0

RL: DEV (Device component use); MOA (Modifier or additive use); USES (Uses)

(material for organic electroluminescent device, organic electroluminescent device, display and illuminating device)

RN 910655-30-0 CAPLUS

CN Iridium, chloro(2,2,6,6-tetramethyl-3,5-heptanedionato- $\kappa O, \kappa O'$)[2-[4-(2,4,6-trimethylphenyl)[2,2'-bipyridin]-6-yl- $\kappa N1, \kappa N1'$]phenyl- κC]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:669293 CAPLUS Full-text

DOCUMENT NUMBER: 145:220753

TITLE: Method for manufacturing organic electrophosphorescent device

INVENTOR(S): Qiu, Yong; Lei, Gangtie; Wang, Liduo

PATENT ASSIGNEE(S): Tsinghua Univ., Peop. Rep. China; Beijing Visionox Technology Co., Ltd.

SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 32pp.
CODEN: CNXXEV

DOCUMENT TYPE: Patent

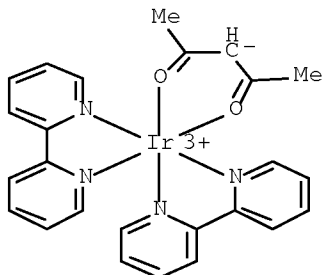
LANGUAGE: Chinese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1582073	A	20050216	CN 2004-10069263	20040716

PRIORITY APPLN. INFO.: CN 2004-10004468 A 20040227
 IT 162196-00-1
 RL: DEV (Device component use); PRP (Properties); USES (Uses)
 (method for manufacturing organic electrophosphorescent device)
 RN 162196-00-1 CAPLUS
 CN Iridium(2+), bis(2,2'-bipyridine-κN1,κN1')(2,4-pentanedionato-
 κO,κO')-, (OC-6-22)- (9CI) (CA INDEX NAME)



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 ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
 LOGOFF? (Y)/N/HOLD:n

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FILE 'REGISTRY' ENTERED AT 08:38:06 ON 10 APR 2008

L1 STRUCTURE UPLOADED
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 L3 367 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 08:40:28 ON 10 APR 2008

L4 3 S L3 AND DEV/RL
 L5 138 S L3
 L6 7 S L5 AND ELECTROLUMIN?
 L7 4 S L6 NOT L4
 L8 1 S L5 AND FLUORESCENT
 L9 3 S L5 AND LUMINESCENT

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 22929791 PY<=2002

L10 106 L5 AND PY<=2002

=> s l10 and lumines?
 236418 LUMINES?

L11 2 L10 AND LUMINES?

=> d l11 1-2 ibib hitstr

L11 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1995:287167 CAPLUS Full-text

DOCUMENT NUMBER: 122:226479

TITLE: Resonant luminescence line narrowing in the
 charge transfer emitting states of [Ir(bpy)2(MeOH)2]3+
 and [Ir(bpy)2(acac)]2+

AUTHOR(S): Riesen, Hans; Krausz, Elmars

CORPORATE SOURCE: Research School of Chemistry, The Australian National
 University, Canberra, ACT, 0200, Australia

SOURCE: Journal of Luminescence (1994), 62(6), 253-6
 CODEN: JLUMA8; ISSN: 0022-2313

PUBLISHER: Elsevier

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 162196-00-1, Bis(2,2'-bipyridine)(acetylacetonate)iridium(2+)

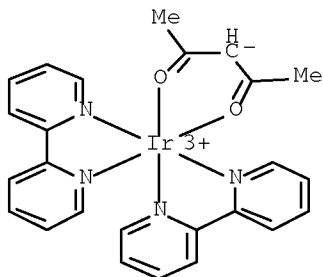
RL: PEP (Physical, engineering or chemical process); PRP (Properties);

PROC (Process)

(resonant luminescence line narrowing in charge transfer
emitting states of)

RN 162196-00-1 CAPLUS

CN Iridium(2+), bis(2,2'-bipyridine-κN1,κN1')(2,4-pentanedionato-
κO,κO')-, (OC-6-22)- (9CI) (CA INDEX NAME)



L11 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1988:416101 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 109:16101

ORIGINAL REFERENCE NO.: 109:2643a,2646a

TITLE: Synthesis, spectroscopy, and photophysical behavior of
mixed-ligand mono- and bis(polypyridyl)chromium(III)
complexes. Examples of efficient, thermally activated
excited-state relaxation without back intersystem
crossing

AUTHOR(S): Ryu, Chong Kul; Endicott, John F.

CORPORATE SOURCE: Dep. Chem., Wayne State Univ., Detroit, MI, 48202, USA

SOURCE: Inorganic Chemistry (1988), 27(13), 2203-14

CODEN: INOCAJ; ISSN: 0020-1669

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 114581-93-0P, (Acetylacetonato)bis(1,10-
phenanthroline)chromium(2+) diperchlorate

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation and spectra and cyclic voltammetry and excited-state properties
of)

RN 114581-93-0 CAPLUS

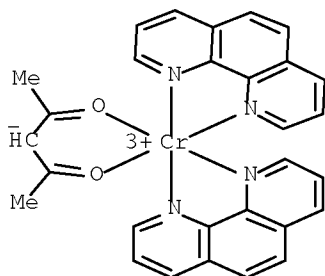
CN Chromium(2+), (2,4-pentanedionato-O,O')bis(1,10-phenanthroline-N1,N10)-,
(OC-6-22)-, diperchlorate (9CI) (CA INDEX NAME)

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CRN 114581-92-9

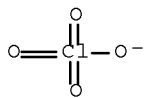
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CCI CCS



CM 2

CRN 14797-73-0
CMF Cl 04



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=> file registry

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

74.52

254.47

FILE 'REGISTRY' ENTERED AT 09:01:21 ON 10 APR 2008

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STRUCTURE FILE UPDATES: 9 APR 2008 HIGHEST RN 1013298-21-9

DICTIONARY FILE UPDATES: 9 APR 2008 HIGHEST RN 1013298-21-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

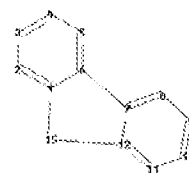
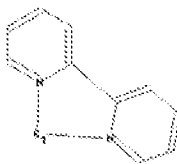
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

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ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 15

ring bonds :

1-2 1-6 1-15 2-3 3-4 4-5 5-6 6-7 7-8 7-12 8-9 9-10 10-11 11-12 12-15

```

exact/norm bonds :
1-15  6-7  12-15
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6  7-8  7-12  8-9  9-10  10-11  11-12

```

G1:Al,Cd,Cr,Ga,Ge,In,Ir,Mo,Ni,Pb,Pd,Pt,Rh,Sb,Sc,Sn,Ti,V,Zr

```

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:Atom
11:Atom 12:Atom 15:Atom

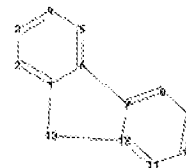
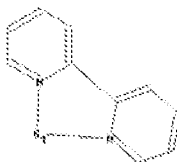
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L12 STRUCTURE UPLOADED

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ring nodes :
1  2  3  4  5  6  7  8  9  10  11  12  13
ring bonds :
1-2  1-6  1-13  2-3  3-4  4-5  5-6  6-7  7-8  7-12  8-9  9-10  10-11  11-12  12-13

```

```

exact/norm bonds :
1-13  6-7  12-13
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6  7-8  7-12  8-9  9-10  10-11  11-12

```

G1:Al,Cd,Cr,Ga,Ge,In,Ir,Mo,Ni,Pb,Pd,Pt,Rh,Sb,Sc,Sn,Ti,Co,Os,Ru

```

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:Atom
11:Atom 12:Atom 13:Atom

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L13 STRUCTURE UPLOADED

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=> s l13 sss sam
SAMPLE SEARCH INITIATED 09:04:08 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 5302 TO ITERATE

```

```

37.7% PROCESSED      2000 ITERATIONS      50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

```

```

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:   101674 TO 110406
PROJECTED ANSWERS:      74351 TO 81845

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L14 50 SEA SSS SAM L13

=> s l14 sss full
FULL SEARCH INITIATED 09:04:34 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 105785 TO ITERATE

100.0% PROCESSED 105785 ITERATIONS 76572 ANSWERS
SEARCH TIME: 00.00.01

L15 76572 SEA SSS FUL L13

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 180.66 435.13

FILE 'CAPLUS' ENTERED AT 09:04:39 ON 10 APR 2008
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FILE COVERS 1907 - 10 Apr 2008 VOL 148 ISS 15
FILE LAST UPDATED: 9 Apr 2008 (20080409/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l15 and dev/rl
25099 L15
790747 DEV/RL
L16 2515 L15 AND DEV/RL

=> s l15
L17 25099 L15

=> s l17 and electrolumin?
80383 ELECTROLUMIN?
L18 423 L17 AND ELECTROLUMIN?

=> s l18 and py<=2002
22929791 PY<=2002
L19 162 L18 AND PY<=2002

=> s l19 and ruthenium
102274 RUTHENIUM
23 RUTHENIUMS
102274 RUTHENIUM
(RUTHENIUM OR RUTHENIUMS)
L20 108 L19 AND RUTHENIUM

=> s l19 and osmium
26846 OSMIUM
6 OSMIUMS
26848 OSMIUM
(OSMIUM OR OSMIUMS)
L21 20 L19 AND OSMIUM

=> s l19 and calcium
858795 CALCIUM
38 CALCIUMS
858799 CALCIUM

(CALCIUM OR CALCIUMS)
L22 3 L19 AND CALCIUM

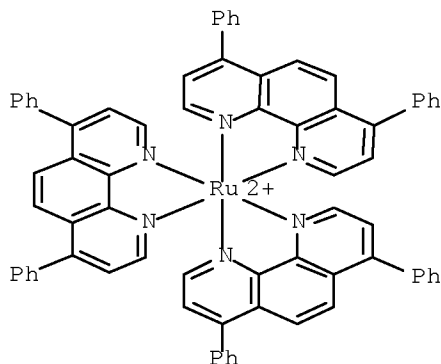
=> d l22 1-3 ibib hitstr

L22 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2003:717673 CAPLUS Full-text
DOCUMENT NUMBER: 139:206660
TITLE: Method for making microsensor arrays for detecting analytes
INVENTOR(S): Bright, Frank V.; Cho, Eun Jeong
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 20 pp., Cont.-in-part of U.S. Ser. No. 254,254.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20030170908	A1	20030911	US 2003-351109	20030124
US 6492182	B1	20021210	US 2000-628209	20000728 <--
US 20030027353	A1	20030206	US 2002-254253	20020925
US 6582966	B2	20030624		
US 20030036205	A1	20030220	US 2002-254254	20020925
US 6589438	B2	20030708		

PRIORITY APPLN. INFO.:
US 2000-628209 A3 20000728
US 2002-351592P P 20020125
US 2002-254254 A2 20020925
US 1999-145856P P 19990728

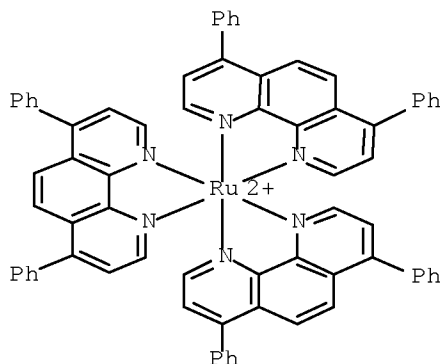
IT 63373-04-6, Tris(4,7-diphenyl-1,10-phenanthroline)ruthenium(II)
RL: ARG (Analytical reagent use); DEV (Device component use); PRP (Properties); ANST (Analytical study); USES (Uses)
(as luminescent substance in TMOS xerogel glass; method for rapid production of reusable multianalyte chemical sensor arrays)
RN 63373-04-6 CAPLUS
CN Ruthenium(2+), tris(4,7-diphenyl-1,10-phenanthroline-~~k~~N1,~~k~~N10)-, (OC-6-11)- (CA INDEX NAME)



L22 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:101410 CAPLUS Full-text
DOCUMENT NUMBER: 134:144196
TITLE: Device for detecting analytes comprising electromagnetic radiation generating substrate and microsensor arrays
INVENTOR(S): Bright, Frank V.; Wenner, Brett; Doody, Meagan; Baker, Gary A.
PATENT ASSIGNEE(S): The Research Foundation of State University of New York, USA
SOURCE: PCT Int. Appl., 48 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001009604	A1	20010208	WO 2000-US20646	20000728 <--
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 20030027353	A1	20030206	US 2002-254253	20020925
US 6582966	B2	20030624		
PRIORITY APPLN. INFO.:			US 1999-145856P	P 19990728
			US 2000-628209	A3 20000728
IT 63373-04-6				
RL:	ARG (Analytical reagent use); DEV (Device component use); PRP (Properties); ANST (Analytical study); USES (Uses)			
	(as luminescent substance in TMOS xerogel glass; microsensor arrays and method of using same for detecting analytes)			
RN 63373-04-6	CAPLUS			
CN	Ruthenium(2+), tris(4,7-diphenyl-1,10-phenanthroline- k N1, k N10)-, (OC-6-11)- (CA INDEX NAME)			



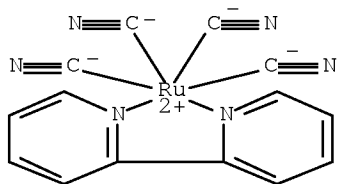
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2000:875771 CAPLUS Full-text
DOCUMENT NUMBER: 134:50826
TITLE: Vapochromic LED
INVENTOR(S): Kunugi, Yoshihito; Mann, Kent R.; Miller, Larry L.; Exstrom, Christopher L.
PATENT ASSIGNEE(S): Regents of the University of Minnesota, USA
SOURCE: U.S., 10 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6160267	A	20001212	US 1999-225758	19990105 <--
US 6137118	A	20001024	US 1999-315877	19990520 <--
US 6338977	B1	20020115	US 2000-638269	20000814 <--
US 6417923	B1	20020709	US 2000-638281	20000814 <--
US 20020042174	A1	20020411	US 2001-10478	20011105 <--

US 6578406 B2 20030617
 PRIORITY APPLN. INFO.: US 1999-225758 A2 19990105
 US 1999-315877 A3 19990520
 US 2000-638269 XX 20000814

OTHER SOURCE(S): MARPAT 134:50826
 IT 105206-45-9D, salts
 RL: ARU (Analytical role, unclassified); DEV (Device component use); ANST
 (Analytical study); USES (Uses)
 (vapochromic light-emitting devices)
 RN 105206-45-9 CAPLUS
 CN Ruthenate(2-), (2,2'-bipyridine-κN1,κN1')tetrakis(cyano-
 κC)-, (OC-6-22)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file registry
 COST IN U.S. DOLLARS SINCE FILE TOTAL
 ENTRY SESSION
 FULL ESTIMATED COST 27.33 462.46

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 DICTIONARY FILE UPDATES: 9 APR 2008 HIGHEST RN 1013298-21-9

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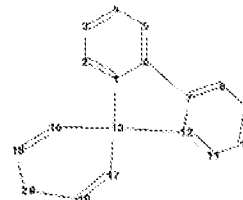
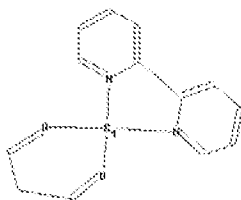
TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

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 experimental property data in the original document. For information
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ring nodes :
1  2  3  4  5  6  7  8  9  10 11 12 13 16 17 18 19 20
ring bonds :
1-2 1-6 1-13 2-3 3-4 4-5 5-6 6-7 7-8 7-12 8-9 9-10 10-11 11-12 12-13
13-16 13-17 16-18 17-19 18-20 19-20
exact/norm bonds :
1-13 6-7 12-13 13-16 13-17 16-18 17-19 18-20 19-20
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

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G1:Al,Cd,Cr,Ga,Ge,In,Ir,Mo,Ni,Pb,Pd,Pt,Rh,Sb,Sc,Sn,Ti,Co,Os,Ru

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Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom

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L23 STRUCTURE UPLOADED

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=> s l23 sss full
FULL SEARCH INITIATED 09:09:03 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 3204 TO ITERATE

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100.0% PROCESSED 3204 ITERATIONS 769 ANSWERS
SEARCH TIME: 00.00.01

L24 769 SEA SSS FUL L23

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=> file caplus
COST IN U.S. DOLLARS          SINCE FILE          TOTAL
                               ENTRY          SESSION
FULL ESTIMATED COST          178.36          640.82

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FILE COVERS 1907 - 10 Apr 2008 VOL 148 ISS 15
FILE LAST UPDATED: 9 Apr 2008 (20080409/ED)

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=> s 124

L25 283 L24

=> s 125 and electrolumin?

80383 ELECTROLUMIN?

L26 8 L25 AND ELECTROLUMIN?

=> d 126 1-8 ibib hitstr

L26 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:1271475 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 147:531113

TITLE: Electroluminescent bis-cyclometalled iridium compounds and devices made with such compounds

INVENTOR(S): Ionkin, Alex Sergey; Marshall, William J.; Wang, Ying; Petrov, Viacheslav A.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 15pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20070259205	A1	20071108	US 2006-430473	20060508
WO 2007133523	A2	20071122	WO 2007-US11068	20070508
WO 2007133523	A3	20080110		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

PRIORITY APPLN. INFO.: US 2006-430473 A 20060508

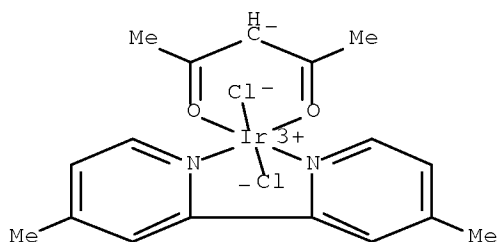
IT 956337-89-6P

RL: BYP (Byproduct); PREP (Preparation)

(electroluminescent bis-cyclometalled iridium compds. and devices using them)

RN 956337-89-6 CAPLUS

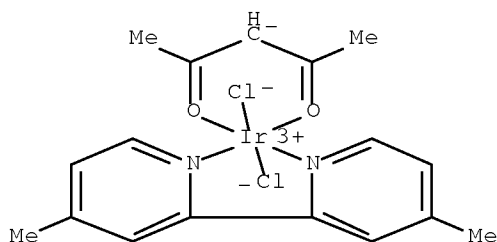
CN Iridium, dichloro(4,4'-dimethyl-2,2'-bipyridine- κ N1, κ N1') (2,4-pentanedionato- κ O2, κ O4)- (CA INDEX NAME)



L26 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN

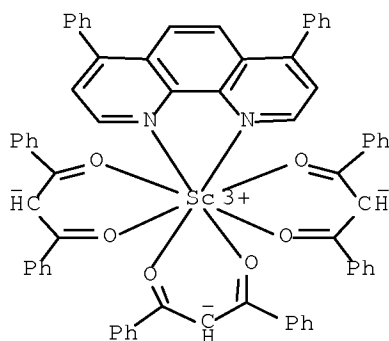
ACCESSION NUMBER: 2007:1075780 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 148:11318
 TITLE: Synthesis, structural characterization, and initial electroluminescent properties of bis-cycloiridated complexes of 2-(3,5-bis(trifluoromethyl)phenyl)-4-methylpyridine
 AUTHOR(S): Ionkin, Alex S.; Wang, Ying; Marshall, William J.; Petrov, Viacheslav A.
 CORPORATE SOURCE: Experimental Station, DuPont Central Research and Development, Wilmington, DE, 19880-0328, USA
 SOURCE: Journal of Organometallic Chemistry (2007), 692(22), 4809-4827
 CODEN: JORCAI; ISSN: 0022-328X
 PUBLISHER: Elsevier Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 957962-35-5P
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (crystal structure; synthesis, structural characterization, and initial electroluminescent properties of bis-cycloiridated complexes of 2-(3,5-bis(trifluoromethyl)phenyl)-4-methylpyridine)
 RN 957962-35-5 CAPLUS
 CN Iridium, dichloro(4,4'-dimethyl-2,2'-bipyridine- $\kappa N1, \kappa N1'$)(2,4-pentanedionato- $\kappa O2, \kappa O4$)-, (OC-6-13)- (CA INDEX NAME)



REFERENCE COUNT: 59 THERE ARE 59 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L26 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2007:8436 CAPLUS Full-text
 DOCUMENT NUMBER: 146:509925
 TITLE: Broad wavelength modulating and design of organic white diode based on lighting by using exciplex emission from mixed acceptors
 AUTHOR(S): Wang, D.; Li, W. L.; Su, Z. S.; Li, T. L.; Chu, B.; Bi, D. F.; Chen, L. L.; Su, W. M.; He, H.
 CORPORATE SOURCE: Key Laboratory of Excited State Processes, Changchun Institute of Optics, Fine Mechanics and Physics, Chinese Academy of Sciences, Changchun, 130033, Peop. Rep. China
 SOURCE: Applied Physics Letters (2006), 89(23), 233511/1-233511/3
 CODEN: APPLAB; ISSN: 0003-6951
 PUBLISHER: American Institute of Physics
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 936110-49-5
 RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses) (broad wavelength modulating and design of organic white diode based on lighting by using exciplex emission from mixed acceptors)
 RN 936110-49-5 CAPLUS
 CN Scandium, (4,7-diphenyl-1,10-phenanthroline- $\kappa N1, \kappa N10$)tris(1,3-diphenyl-1,3-propanedionato- $\kappa O1, \kappa O3$)- (CA INDEX NAME)

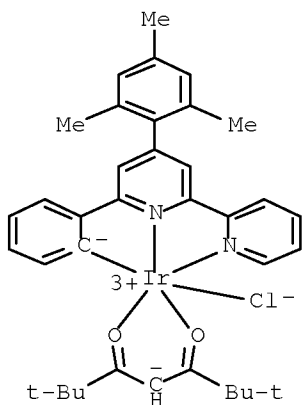


REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L26 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2006:1006627 CAPLUS [Full-text](#)
 DOCUMENT NUMBER: 145:386012
 TITLE: Material for organic el device, organic el device, display and illuminating device
 INVENTOR(S): Sekine, Noboru; Oshiyama, Tomohiro; Nishizeki, Masato; Katoh, Eisaku
 PATENT ASSIGNEE(S): Konica Minolta Holdings, Inc., Japan
 SOURCE: PCT Int. Appl., 91pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

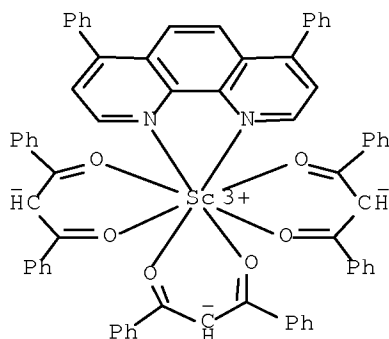
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006100888	A1	20060928	WO 2006-JP304062	20060303
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: JP 2005-81837 A 20050322
 OTHER SOURCE(S): MARPAT 145:386012
 IT 910655-30-0
 RL: DEV (Device component use); MOA (Modifier or additive use); USES (Uses)
 (material for organic electroluminescent device, organic electroluminescent device, display and illuminating device)
 RN 910655-30-0 CAPLUS
 CN Iridium, chloro(2,2,6,6-tetramethyl-3,5-heptanedionato-κO,κO') [2-[4-(2,4,6-trimethylphenyl) [2,2'-bipyridin]-6-yl-κN1,κN1']phenyl-κC]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L26 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2006:686724 CAPLUS [Full-text](#)
 DOCUMENT NUMBER: 147:41693
 TITLE: Organic electroluminescent device using Sc(DBM)3 bath as electron transport layer
 AUTHOR(S): Chen, Li-li; Li, Wen-lian; Yu, Tian-zhi; Chen, Guang-bo; Chu, Bei; Kong, Zhi-guo
 CORPORATE SOURCE: Key Laboratory of Excited State Processes, Changchun Institute of Optics, Fine Mechanics and Physics, Chinese Academy of Sciences, Changchun, 130033, Peop. Rep. China
 SOURCE: Yejing Yu Xianshi (2006), 21(2), 188-190
 CODEN: YYXIFY; ISSN: 1007-2780
 PUBLISHER: Kexue Chubanshe
 DOCUMENT TYPE: Journal
 LANGUAGE: Chinese
 IT 936110-49-5
 RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (organic electroluminescent device using Sc(DBM)3 bath as electron transport layer)
 RN 936110-49-5 CAPLUS
 CN Scandium, (4,7-diphenyl-1,10-phenanthroline-κN1,κN10)tris(1,3-diphenyl-1,3-propanedionato-κO1,κO3)- (CA INDEX NAME)

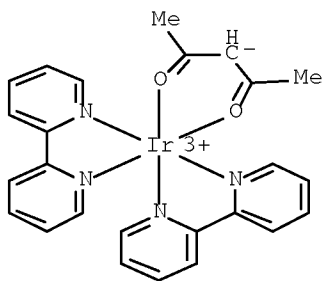


L26 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2006:669293 CAPLUS [Full-text](#)
 DOCUMENT NUMBER: 145:220753
 TITLE: Method for manufacturing organic electrophosphorescent

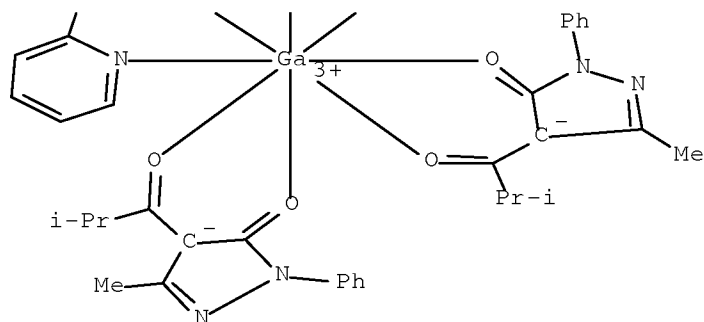
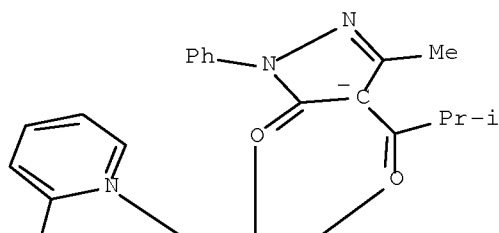
device
 INVENTOR(S): Qiu, Yong; Lei, Gangtie; Wang, Liduo
 PATENT ASSIGNEE(S): Tsinghua Univ., Peop. Rep. China; Beijing Visionox
 Technology Co., Ltd.
 SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 32pp.
 CODEN: CNXXEV
 DOCUMENT TYPE: Patent
 LANGUAGE: Chinese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1582073	A	20050216	CN 2004-10069263	20040716
PRIORITY APPLN. INFO.:			CN 2004-10004468	A 20040227

IT 162196-00-1
 RL: DEV (Device component use); PRP (Properties); USES (Uses)
 (method for manufacturing organic electrophosphorescent device)
 RN 162196-00-1 CAPLUS
 CN Iridium(2+), bis(2,2'-bipyridine-κN1,κN1')(2,4-pentanedionato-
 κO,κO')-, (OC-6-22)- (9CI) (CA INDEX NAME)



L26 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:1128122 CAPLUS Full-text
 DOCUMENT NUMBER: 143:395889
 TITLE: Electroluminescence from exciplex on the
 interface between TPD and La(PMIP)3(Bipy)
 AUTHOR(S): Gao, De-qing; Bian, Zu-qiang; Huang, Yan-yi; Huang,
 Chun-hui; Ibrahim, K.; Liu, Feng-qin
 CORPORATE SOURCE: State Key Laboratory of Rare Earth Materials Chemistry
 and Applications, Peking University, Beijing, 100871,
 Peop. Rep. China
 SOURCE: Chemical Research in Chinese Universities (2004),
 20(6), 790-794
 CODEN: CRCUED; ISSN: 1005-9040
 PUBLISHER: Higher Education Press
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 866940-70-7
 RL: DEV (Device component use); USES (Uses)
 (electroluminescence from exciplex on interface between TPD
 and La(PMIP)3(Bipy))
 RN 866940-70-7 CAPLUS
 CN Gadolinium, (2,2'-bipyridine-κN1,κN1')tris[2,4-dihydro-5-
 methyl-4-[2-methyl-1-(oxo-κO)propyl]-2-phenyl-3H-pyrazol-3-onato-
 κO3]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L26 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:474382 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 141:157577

TITLE: Side-chain functionalized polymers containing bipyridine coordination sites: Polymerization and metal-coordination studies

AUTHOR(S): Carlise, Joseph R.; Weck, Marcus

CORPORATE SOURCE: Georgia Institute of Technology, School of Chemistry and Biochemistry, Atlanta, GA, 30332-0400, USA

SOURCE: Journal of Polymer Science, Part A: Polymer Chemistry (2004), 42(12), 2973-2984

CODEN: JPACEC; ISSN: 0887-624X

PUBLISHER: John Wiley & Sons, Inc.

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 727740-50-3P

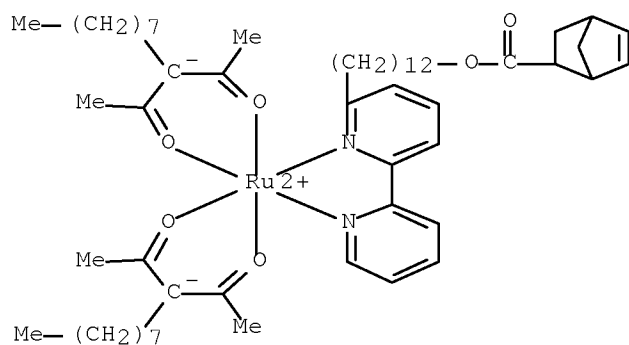
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(side-chain functionalized polymers containing bipyridine coordination sites)

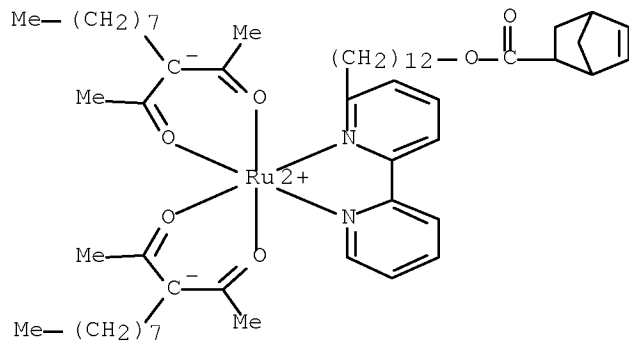
RN 727740-50-3 CAPLUS

CN Ruthenium, [12-([2,2'-bipyridin]-6-yl-κN1,κN1')dodecyl bicyclo[2.2.1]hept-5-ene-2-carboxylate]bis(3-octyl-2,4-pentanedionato-

KO, KO')-, (OC-6-31)- (9CI) (CA INDEX NAME)



IT 727740-51-4F
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (side-chain functionalized polymers containing bipyridine coordination sites)
 RN 727740-51-4 CAPLUS
 CN Ruthenium, [12-(2,2'-bipyridin]-6-yl- $\kappa\text{N}1, \kappa\text{N}1'$)dodecyl bicyclo[2.2.1]hept-5-ene-2-carboxylate]bis(3-octyl-2,4-pentanedionate- KO, KO')-, (OC-6-31)-, homopolymer (9CI) (CA INDEX NAME)
 CM 1
 CRN 727740-50-3
 CMF C56 H86 N2 O6 Ru
 CCI CCS



REFERENCE COUNT: 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 08:37:53 ON 10 APR 2008)

FILE 'REGISTRY' ENTERED AT 08:38:06 ON 10 APR 2008

L1 STRUCTURE UPLOADED
 L2 18 S L1 SSS SAM
 L3 367 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 08:40:28 ON 10 APR 2008

L4 3 S L3 AND DEV/RL
 L5 138 S L3
 L6 7 S L5 AND ELECTROLUMIN?
 L7 4 S L6 NOT L4

L8 1 S L5 AND FLUORESCENT
L9 3 S L5 AND LUMINESCENT
L10 106 S L5 AND PY<=2002
L11 2 S L10 AND LUMINES?

FILE 'REGISTRY' ENTERED AT 09:01:21 ON 10 APR 2008

L12 STRUCTURE UPLOADED
L13 STRUCTURE UPLOADED
L14 50 S L13 SSS SAM
L15 76572 S L14 SSS FULL

FILE 'CAPLUS' ENTERED AT 09:04:39 ON 10 APR 2008

L16 2515 S L15 AND DEV/RL
L17 25099 S L15
L18 423 S L17 AND ELECTROLUMIN?
L19 162 S L18 AND PY<=2002
L20 108 S L19 AND RUTHENIUM
L21 20 S L19 AND OSMIUM
L22 3 S L19 AND CALCIUM

FILE 'REGISTRY' ENTERED AT 09:08:43 ON 10 APR 2008

L23 STRUCTURE UPLOADED
L24 769 S L23 SSS FULL

FILE 'CAPLUS' ENTERED AT 09:09:06 ON 10 APR 2008

L25 283 S L24
L26 8 S L25 AND ELECTROLUMIN?

=> s l20 and patent/dt
6146398 PATENT/DT
L27 28 L20 AND PATENT/DT

=> d l27 1-28 ibib

L27 ANSWER 1 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:27404 CAPLUS Full-text
DOCUMENT NUMBER: 140:69694
TITLE: Preparation and use of ruthenium complex of
pyridine compounds
INVENTOR(S): Zhang, Baowen; Xie, Puhui; Hou, Yuanjun; Cao, Yi
PATENT ASSIGNEE(S): Inst. of Photosensitive Chemistry, China Academy of
Sciences, Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 24 pp.
CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1359901	A	20020724	CN 2000-135815	20001221 <--
PRIORITY APPLN. INFO.:			CN 2000-135815	20001221
OTHER SOURCE(S):			CASREACT 140:69694; MARPAT 140:69694	

L27 ANSWER 2 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:717673 CAPLUS Full-text
DOCUMENT NUMBER: 139:206660
TITLE: Method for making microsensor arrays for detecting
analytes
INVENTOR(S): Bright, Frank V.; Cho, Eun Jeong
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 20 pp., Cont.-in-part of U.S.
Ser. No. 254,254.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20030170908	A1	20030911	US 2003-351109	20030124
US 6492182	B1	20021210	US 2000-628209	20000728 <--
US 20030027353	A1	20030206	US 2002-254253	20020925

US 6582966	B2	20030624		
US 20030036205	A1	20030220	US 2002-254254	20020925
US 6589438	B2	20030708		

PRIORITY APPLN. INFO.: US 2000-628209 A3 20000728
 US 2002-351592P P 20020125
 US 2002-254254 A2 20020925
 US 1999-145856P P 19990728

L27 ANSWER 3 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2002:608034 CAPLUS Full-text
 DOCUMENT NUMBER: 137:161462
 TITLE: Optical imaging display device with transparent solar battery
 INVENTOR(S): Oasa, Masahiro
 PATENT ASSIGNEE(S): Sumitomo Metal Mining Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2002229472	A	20020814	JP 2001-21131	20010130 <--
PRIORITY APPLN. INFO.:			JP 2001-21131	20010130

L27 ANSWER 4 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2002:488017 CAPLUS Full-text
 DOCUMENT NUMBER: 137:54420
 TITLE: Electroluminescent device comprising an electroluminescent material of at least two metal chelates
 INVENTOR(S): Brunner, Klemens; De Cola, Luisa; Hofstraat, Johannes Willem
 PATENT ASSIGNEE(S): Koninklijke Philips Electronics N.V., Neth.
 SOURCE: U.S. Pat. Appl. Publ., 9 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 20020079830	A1	20020627	US 2001-28377	20011221 <--
TW 528789	B	20030421	TW 2001-90124832	20011008
WO 2002051959	A1	20020704	WO 2001-IB2662	20011219 <--
W: CN, JP, KR				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
EP 1409606	A1	20040421	EP 2001-272214	20011219
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
PRIORITY APPLN. INFO.:			EP 2000-204738	A 20001222
			WO 2001-IB2662	W 20011219
OTHER SOURCE(S):		MARPAT 137:54420		

L27 ANSWER 5 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2002:464293 CAPLUS Full-text
 DOCUMENT NUMBER: 137:39099
 TITLE: Luminescent material containing tris(bipyridyl) ruthenium complex, and organic electroluminescent apparatus
 INVENTOR(S): Shiratori, Toshiaki; Yamamoto, Kimitoshi; Higuchi, Masayoshi; Inaba, Yukinori
 PATENT ASSIGNEE(S): Kelo University, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2002173673	A	20020621	JP 2000-370366	20001205 <--
PRIORITY APPLN. INFO.:			JP 2000-370366	20001205
OTHER SOURCE(S):	MARPAT 137:39099			

L27 ANSWER 6 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2002:464173 CAPLUS Full-text
 DOCUMENT NUMBER: 137:54730
 TITLE: Tris(bipyridyl)ruthenium complexes and their
 use for light-emitting materials and organic
 electroluminescent devices
 INVENTOR(S): Shiratori, Toshiaki; Yamamoto, Kimitoshi; Higuchi,
 Masayoshi; Inaba, Yukinori
 PATENT ASSIGNEE(S): Keio University, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002173481	A	20020621	JP 2000-370365	20001205 <--
PRIORITY APPLN. INFO.:			JP 2000-370365	20001205
OTHER SOURCE(S):	MARPAT 137:54730			

L27 ANSWER 7 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2002:422962 CAPLUS Full-text
 DOCUMENT NUMBER: 137:13028
 TITLE: Polymeric polyamine complex with phosphate polymer,
 organic molecular electroluminescent device
 using it, their manufacture, and photoelectric
 conversion device using the complex
 INVENTOR(S): Kobayashi, Norihisa
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002161135	A	20020604	JP 2001-197264	20010628 <--
PRIORITY APPLN. INFO.:			JP 2000-280163	A 20000914

L27 ANSWER 8 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2002:193188 CAPLUS Full-text
 DOCUMENT NUMBER: 136:254346
 TITLE: Luminescent component and production method
 INVENTOR(S): Takeuchi, Masataka
 PATENT ASSIGNEE(S): Showa Denko K. K., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002075001	A	20020315	JP 2000-264950	20000901 <--
PRIORITY APPLN. INFO.:			JP 2000-264950	20000901

L27 ANSWER 9 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2002:143073 CAPLUS Full-text
 DOCUMENT NUMBER: 136:191505
 TITLE: High efficiency solid state light-emitting device and
 method of generating light
 INVENTOR(S): Rubner, Michael F.; Rudmann, Hartmut
 PATENT ASSIGNEE(S): Massachusetts Institute of Technology, USA
 SOURCE: PCT Int. Appl., 37 pp.
 CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002015294	A2	20020221	WO 2001-US41717	20010814 <--
WO 2002015294	A3	20020530		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2001085437	A5	20020225	AU 2001-85437	20010814 <--
TW 535458	B	20030601	TW 2001-90120070	20010816
PRIORITY APPLN. INFO.:			US 2000-225589P	P 20000816
			WO 2001-US41717	W 20010814

L27 ANSWER 10 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:781473 CAPLUS Full-text
DOCUMENT NUMBER: 135:315564
TITLE: Optically based transcutaneous blood gas sensor
INVENTOR(S): Ring, Lawrence S.; Levin, Paul D.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 18 pp., Cont.-in-part of U.S. Ser. No. 553,439.
CODEN: USXXCO

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20010034479	A1	20011025	US 2001-754177	20010104 <--
PRIORITY APPLN. INFO.:			US 2000-553439	A2 20000419

L27 ANSWER 11 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:407937 CAPLUS Full-text
DOCUMENT NUMBER: 135:28496
TITLE: Sensing device with sol-gel derived film on the light source
INVENTOR(S): Watkins, A. Neal; Wenner, Brett R.; Jordan, Jeffrey D.; Bright, Frank V.
PATENT ASSIGNEE(S): The Research Foundation of State University of New York, USA
SOURCE: U.S., 12 pp.
CODEN: USXXAM

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6241948	B1	20010605	US 1998-82235	19980520 <--
PRIORITY APPLN. INFO.:			US 1998-82235	19980520
REFERENCE COUNT:	14	THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L27 ANSWER 12 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:397157 CAPLUS Full-text
DOCUMENT NUMBER: 135:28416
TITLE: Optical sensors and arrays containing thin film electroluminescent devices
INVENTOR(S): Aylott, Jonathan W.; Chen-esterlit, Zoe; Friedl, Jon H.; Kopelman, Raoul; Savvateev, Vadim N.; Shinar, Joseph
PATENT ASSIGNEE(S): Iowa State University Research Foundation, Inc., USA; Regents of the University of Michigan

SOURCE: PCT Int. Appl., 77 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001038857	A1	20010531	WO 2000-US31921	20001121 <--
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 6331438	B1	20011218	US 1999-448499	19991124 <--
EP 1171764	A1	20020116	EP 2000-990188	20001121 <--
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, MC, PT, IE, SI, LT, LV, FI, RO			
JP 2003515163	T	20030422	JP 2001-540355	20001121
PRIORITY APPLN. INFO.:			US 1999-448499	A 19991124
			WO 2000-US31921	W 20001121
REFERENCE COUNT:	4	THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L27 ANSWER 13 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:101410 CAPLUS Full-text
DOCUMENT NUMBER: 134:144196
TITLE: Device for detecting analytes comprising electromagnetic radiation generating substrate and microsensor arrays
INVENTOR(S): Bright, Frank V.; Wenner, Brett; Doody, Meagan; Baker, Gary A.
PATENT ASSIGNEE(S): The Research Foundation of State University of New York, USA
SOURCE: PCT Int. Appl., 48 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001009604	A1	20010208	WO 2000-US20646	20000728 <--
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 20030027353	A1	20030206	US 2002-254253	20020925
US 6582966	B2	20030624		
PRIORITY APPLN. INFO.:			US 1999-145856P	P 19990728
			US 2000-628209	A3 20000728
REFERENCE COUNT:	1	THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L27 ANSWER 14 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:12787 CAPLUS Full-text
DOCUMENT NUMBER: 134:93175
TITLE: Electroluminescent device having a structured particle electron conductor
INVENTOR(S): Spitler, Mark; Lampe-onnerud, Christina; Onnerud, Per
PATENT ASSIGNEE(S): Quantum Energy Technologies, USA
SOURCE: PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001001501	A1	20010104	WO 1999-US14309	19990624 <--
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
AU 9949607	A1	20010131	AU 1999-49607	19990624 <--
PRIORITY APPLN. INFO.:			WO 1999-US14309	A 19990624
REFERENCE COUNT:	7	THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L27 ANSWER 15 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2000:513824 CAPLUS Full-text
DOCUMENT NUMBER: 133:132086
TITLE: Gglucose biosensor using fluorescent metal-ligand complexes
INVENTOR(S): Lakowicz, Joseph R.; Murtaza, Zakir
PATENT ASSIGNEE(S): University of Maryland, Baltimore, USA
SOURCE: PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000043536	A1	20000727	WO 2000-US1716	20000121 <--
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
PRIORITY APPLN. INFO.:			US 1999-116968P	P 19990122
REFERENCE COUNT:	1	THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L27 ANSWER 16 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1999:370050 CAPLUS Full-text
DOCUMENT NUMBER: 130:360748
TITLE: Fluorescence sensing device
INVENTOR(S): Colvin, Arthur E., Jr.
PATENT ASSIGNEE(S): USA
SOURCE: U.S., 7 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5910661	A	19990608	US 1997-855235	19970513 <--
PRIORITY APPLN. INFO.:			US 1997-855235	19970513
REFERENCE COUNT:	8	THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L27 ANSWER 17 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1999:311361 CAPLUS Full-text
DOCUMENT NUMBER: 130:308775
TITLE: Measuring the concentration of a substance
INVENTOR(S): Vojnovic, Borivoj; Young, William K.; Wardman, Peter

PATENT ASSIGNEE(S): Cancer Research Campaign Technology Ltd., UK
 SOURCE: PCT Int. Appl., 39 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9923476	A1	19990514	WO 1998-GB1809	19980619 <--
W: AU, CA, JP, NZ, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
GB 2330903	A	19990505	GB 1997-23229	19971103 <--
GB 2330903	B	20020515		
CA 2309089	A1	19990514	CA 1998-2309089	19980619 <--
AU 9881188	A	19990524	AU 1998-81188	19980619 <--
AU 746460	B2	20020502		
EP 1029233	A1	20000823	EP 1998-930909	19980619 <--
EP 1029233	B1	20030319		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002529682	T	20020910	JP 2000-519291	19980619 <--
AT 235049	T	20030415	AT 1998-930909	19980619
PT 1029233	T	20030731	PT 1998-930909	19980619
ES 2195356	T3	20031201	ES 1998-930909	19980619
US 6531097	B1	20030311	US 2000-559780	20000427
PRIORITY APPLN. INFO.: GB 1997-23229 A 19971103				
WO 1998-GB1809 W 19980619				
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L27 ANSWER 18 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1999:113901 CAPLUS Full-text
 DOCUMENT NUMBER: 130:160352
 TITLE: Electroluminescent device
 INVENTOR(S): Nuesch, Frank Alain; Rotzinger, Francois; Si-Ahmed, Lynda; Zuppiroli, Libero
 PATENT ASSIGNEE(S): Ecole Polytechnique Federale de Lausanne, Switz.
 SOURCE: PCT Int. Appl., 57 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9907028	A1	19990211	WO 1998-CH324	19980731 <--
W: JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 1012892	A1	20000628	EP 1998-934728	19980731 <--
R: CH, DE, FR, GB, LI, NL				
JP 2001512145	T	20010821	JP 2000-505659	19980731 <--
US 6569544	B1	20030527	US 2000-463880	20000131
PRIORITY APPLN. INFO.: CH 1997-1844 A 19970731				
WO 1998-CH324 W 19980731				
OTHER SOURCE(S): MARPAT 130:160352				
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L27 ANSWER 19 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1998:766543 CAPLUS Full-text
 DOCUMENT NUMBER: 130:32424
 TITLE: Fluorescence sensing device
 INVENTOR(S): Colvin, Arthur E., Jr.
 PATENT ASSIGNEE(S): USA
 SOURCE: PCT Int. Appl., 32 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9852024	A1	19981119	WO 1998-US9588	19980512 <--
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5894351	A	19990413	US 1997-855234	19970513 <--
CA 2287307	A1	19981119	CA 1998-2287307	19980512 <--
CA 2287307	C	20070710		
AU 9874803	A	19981208	AU 1998-74803	19980512 <--
AU 723849	B2	20000907		
EP 981736	A1	20000301	EP 1998-922204	19980512 <--
EP 981736	B1	20021204		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2001525930	T	20011211	JP 1998-549381	19980512 <--
AT 229178	T	20021215	AT 1998-922204	19980512 <--
PT 981736	T	20030430	PT 1998-922204	19980512
ES 2187968	T3	20030616	ES 1998-922204	19980512
IN 1998CA00840	A	20051202	IN 1998-CA840	19980512
TW 385365	B	20000321	TW 1998-87107405	19980513 <--
NO 9905282	A	20000110	NO 1999-5282	19991028 <--
MX 9910459	A	20000531	MX 1999-10459	19991112 <--
HK 1023401	A1	20030516	HK 2000-102351	20000419
PRIORITY APPLN. INFO.: US 1997-855234 A 19970513				
WO 1998-US9588 W 19980512				
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L27 ANSWER 20 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1998:38434 CAPLUS Full-text

DOCUMENT NUMBER: 128:111545

TITLE: Determination of analytes using two labels

INVENTOR(S): Wenzig, Peter; Giesen, Ursula; Ziegler, Guenther; Weindel, Kurt

PATENT ASSIGNEE(S): Boehringer Mannheim G.m.b.H., Germany

SOURCE: Ger. Offen., 16 pp.
CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19627290	A1	19980108	DE 1996-19627290	19960706 <--
WO 9801578	A1	19980115	WO 1997-EP3480	19970702 <--
W: AU, BR, CA, CN, JP, KR, MX, NZ, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9734419	A	19980202	AU 1997-34419	19970702 <--
EP 912765	A1	19990506	EP 1997-930488	19970702 <--
EP 912765	B1	20020731		
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE, FI				
JP 2000514188	T	20001024	JP 1998-504751	19970702 <--
AT 221579	T	20020815	AT 1997-930488	19970702 <--
ES 2184109	T3	20030401	ES 1997-930488	19970702
US 6447999	B1	20020910	US 1999-147472	19990216 <--
US 20030068635	A1	20030410	US 2002-157850	20020531
PRIORITY APPLN. INFO.: DE 1996-19627290 A 19960706				
WO 1997-EP3480 W 19970702				
US 1999-147472 A3 19990216				

L27 ANSWER 21 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1997:342026 CAPLUS Full-text

DOCUMENT NUMBER: 126:350928

TITLE: Optical sensor and method

INVENTOR(S): Ackley, Donald E.; Harvey, Thomas B., III

PATENT ASSIGNEE(S): Motorola, Inc., USA

SOURCE: U.S., 4 pp.

CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5629533	A	19970513	US 1995-384095	19950206 <--
PRIORITY APPLN. INFO.:			US 1995-384095	19950206

L27 ANSWER 22 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1997:88536 CAPLUS Full-text
DOCUMENT NUMBER: 126:112509
TITLE: Electrochemiluminescent metal chelate labels and means for detection
INVENTOR(S): Yang, Hongjun; Gudibande, Satyanarayana R.
PATENT ASSIGNEE(S): Igen, Inc., USA
SOURCE: PCT Int. Appl., 50 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9635697	A1	19961114	WO 1996-US6404	19960507 <--
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML				
AU 9658543	A	19961129	AU 1996-58543	19960507 <--
PRIORITY APPLN. INFO.:			US 1995-436537	A 19950508
			WO 1996-US6404	W 19960507
OTHER SOURCE(S):		MARPAT 126:112509		

L27 ANSWER 23 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1997:51532 CAPLUS Full-text
DOCUMENT NUMBER: 126:81264
TITLE: Method for derivatizing electrodes and assay methods using such derivatized electrodes
INVENTOR(S): Talley, David; Leland, Jonathan K.; Blackburn, Gary F.
PATENT ASSIGNEE(S): Igen, Inc., USA
SOURCE: PCT Int. Appl., 54 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9636870	A1	19961121	WO 1996-US6948	19960516 <--
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML				
AU 9659206	A	19961129	AU 1996-59206	19960516 <--
US 6132955	A	20001017	US 1997-922761	19970903 <--
PRIORITY APPLN. INFO.:			US 1995-443497	A 19950518
			WO 1996-US6948	W 19960516

L27 ANSWER 24 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1996:452343 CAPLUS Full-text
DOCUMENT NUMBER: 125:109628
TITLE: Magnetic particle based electrochemiluminescent detection apparatus and method
INVENTOR(S): Talley, David B.; Leland, Jonathan K.
PATENT ASSIGNEE(S): Igen, Inc., USA
SOURCE: PCT Int. Appl., 49 pp.

CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9615440	A1	19960523	WO 1995-US14847	19951113 <--
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5744367	A	19980428	US 1994-339237	19941110 <--
AU 9645015	A	19960606	AU 1996-45015	19951113 <--
JP 10509798	T	19980922	JP 1996-516309	19951113 <--
EP 871864	A1	19981021	EP 1995-943578	19951113 <--
EP 871864	B1	20060913		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV				
AT 339682	T	20061015	AT 1995-943578	19951113
ES 2273339	T3	20070501	ES 1995-943578	19951113
US 6133043	A	20001017	US 1998-66704	19980427 <--
JP 2006184294	A	20060713	JP 2006-96563	20060331
PRIORITY APPLN. INFO.:			US 1994-339237	A 19941110
			JP 1996-516309	A3 19951113
			WO 1995-US14847	W 19951113

L27 ANSWER 25 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1996:417998 CAPLUS Full-text
DOCUMENT NUMBER: 125:81284
TITLE: Long lifetime anisotropy (polarization) probes for clinical chemistry, immunoassays, affinity assays and biomedical research
INVENTOR(S): Lakowicz, Joseph R.; Szmazinski, Henryk; Terpetschnig, Ewald
PATENT ASSIGNEE(S): USA
SOURCE: PCT Int. Appl., 68 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9613722	A1	19960509	WO 1995-US14143	19951027 <--
W: AU, CA, JP, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 5660991	A	19970826	US 1994-330743	19941028 <--
CA 2203772	A1	19960509	CA 1995-2203772	19951027 <--
AU 9642797	A	19960523	AU 1996-42797	19951027 <--
AU 686490	B2	19980205		
EP 788601	A1	19970813	EP 1995-941349	19951027 <--
EP 788601	B1	20061227		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 10508103	T	19980804	JP 1995-514837	19951027 <--
AT 349696	T	20070115	AT 1995-941349	19951027
PRIORITY APPLN. INFO.:			US 1994-330743	A2 19941028
			WO 1995-US14143	W 19951027

L27 ANSWER 26 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1993:619162 CAPLUS Full-text
DOCUMENT NUMBER: 119:219162
TITLE: Electrochemiluminescent label for DNA probe assays
INVENTOR(S): Gudibande, Satyanarayana R.; Kenten, John H.
PATENT ASSIGNEE(S): Igen, Inc., USA
SOURCE: PCT Int. Appl., 62 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9312256	A1	19930624	WO 1992-US10480	19921207 <--
W: AU, CA, JP, KR				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
ZA 9209351	A	19930604	ZA 1992-9351	19921202 <--
IL 103960	A	20000831	IL 1992-103960	19921203 <--
IL 125465	A	20001031	IL 1998-125465	19921203 <--
AU 9332388	A	19930719	AU 1993-32388	19921207 <--
AU 661757	B2	19950803		
EP 667919	A1	19950823	EP 1993-900868	19921207 <--
EP 667919	B1	20010926		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 3067030	B2	20000717	JP 1993-510980	19921207 <--
JP 07503947	T	19950427		
AT 206170	T	20011015	AT 1993-900868	19921207 <--
ES 2164069	T3	20020216	ES 1993-900868	19921207 <--
CA 2123808	C	20030527	CA 1992-2123808	19921207
US 5610017	A	19970311	US 1995-461038	19950605 <--
US 5686244	A	19971111	US 1995-461645	19950605 <--
US 5597910	A	19970128	US 1995-479817	19950607 <--
PRIORITY APPLN. INFO.:			US 1991-805537	A 19911211
			IL 1992-103960	A3 19921203
			WO 1992-US10480	A 19921207
			US 1994-307026	B3 19940915

OTHER SOURCE(S): MARPAT 119:219162

L27 ANSWER 27 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1992:200808 CAPLUS Full-text
DOCUMENT NUMBER: 116:200808
TITLE: Electroluminescent electrode made of a tris
bipyridyl ruthenium complex embedded in a
perfluorinated polymer and deposited on a transparent
electrode
INVENTOR(S): Dixon, Brian G.; Deans, John R.; Morris, Robert S.;
Sanford, John P.
PATENT ASSIGNEE(S): Cape Cod Research, Inc., USA
SOURCE: U.S., 3 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5075172	A	19911224	US 1991-506808	19910410 <--
PRIORITY APPLN. INFO.:			US 1991-506808	19910410

L27 ANSWER 28 OF 28 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1978:555607 CAPLUS Full-text
DOCUMENT NUMBER: 89:155607
ORIGINAL REFERENCE NO.: 89:23995a,23998a
TITLE: Electrolyte solutions for electrochemiluminescent
display devices
INVENTOR(S): Iwasa, Koji
PATENT ASSIGNEE(S): Daini Seikosha Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 53032889	B4	19780328	JP 1976-107060	19760907 <--

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FULL ESTIMATED COST	85.40	726.22

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